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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 20th October 1984

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1-287GJ/84

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CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 5th May, 1984 at page 285, Column 1 under the heading "Application for Patents filed at the Patent Office Branch, 61, Wallajah Road, Madras-600 002" against number 157|MAS|84 within the bracket for "Divisional to application No. 562|Cal|79" read "Addition to Patent application No. 562|Cal|79".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSF ROAD, CALCUTTA-17

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

12th September, 1984

636|Cal|84. Westinghouse Electric Corporation. Improvements in or relating to advance and retard phase-shift Transformer.

14th September, 1984

637|Cal|84. Spetsialnoe Konstruktskoe Bjuro Gidroimpulsnoi Tekhniki Sibirskogo Otdelenia Akademii Nauk SSSR. Chamber for explosive working of materials.

638|Cal|84. (i) Institut Elektrovarki Imeni E.O. Patona Akademii Nauk Ukrainskoi SSR (ii) Vsesojuzny Nauchno-Issledovatel'skij i Proektny Institut Aljuminiovoi, Magniovoi i Elektrodoj Promyshlennosti. Anode Holder for Aluminium Electrolyzer.

639|Cal|84. Spetsialnoe Konstruktskoe Bjuro Gidroimpulsnoi Tekhniki Sibirskogo Otdelenia Akademii Nauk SSSR. Apparatus for explosive forming of materials.

640|Cal|84. Minsky Motorny Zavod. Cylinder head of an internal combustion engine.

641|Cal|84. Institut Elektrovarki Imeni E.O. Patona Akademii Nauk Ukrainskoi SSR and Vsesojuzny Nauchno-Issledovatel'skij i Proektny Institut Aljuminiovoi, magniovoi i Elektrodoj Promyshlennosti. Explosion welding method.

642|Cal|84. (i) Vsesojuzny Nauchno-Issledovatel'skij Institut meditsiny Kikh Polimerov (ii) Moskovskij Nauchno-Issledovatel'skij Institut Tuberkuleza, (iii) Belorod-Dnestrovskij Zavod Meditsinskij Izdelyj Polimernykh Materialov. A Device for lengthy fixation of a tube introduced into the patient's body.

643|Cal|84. Spetsialnoe Konstruktskoe Bjuro Gidroimpulsnoi Tenhniki Sibirskogo Otdelenia Akademii Nauk SSR. Apparatus for working materials by explosion.

644|Cal|84. Erhard & Leimer GmbH. Web tensioner and feeder.

645|Cal|84. Erhard & Leimer GmbH. Photoelectronic Feeders.

646|Cal|84. Erhard & Leimer GmbH. Guiding device for a cloth path.

647|Cal|84. Erhard & Leimer GmbH. Edge Feeders.

648|Cal|84. Erhard & Leimer GmbH. Edge Feeder.

649|Cal|84. Erhard & Leimer GmbH. Device for the measurement of Linear Force.

650|Cal|84. Erhard & Leimer GmbH. Photoelectric Feeder.

651|Cal|84. Fried Krupp Gesellschaft Mit Beschränkter Haftung. Method for regulating the temperature of a reduction process in a revolving cylindrical furnace.

15th September, 1984

652|Cal|84. Asahi Glass Company, Limited. Process for producing anhydrous sodium carbonate.

17th September, 1984

653|Cal|84. The Babcock & Wilcox Company. Process of efficient combustion utilizing a fuel/air mixture.

654|Cal|84. The Babcock & Wilcox Company. Method of on-line boiler tube cleaning by sootblowing.

655|Cal|84. Janssen Pharmaceutica N. V. A process for isolating levamisole from tetramisole.

656|Cal|84. RMG Beierling GmbH. Painting and Evaporation cabin with air return ventilation.

18th September, 1984

657|Cal|84. Survival Technology, Inc. Plural dosage automatic injector with improved safety.

658|Cal|84. Survival Technology, Inc. Dual mode automatic injector.

659|Cal|84. Development Consultants Private Limited. Improvements in or relating to scraper conveyors.

660|Cal|84. Development Consultants Private Limited. Improvements in or relating to overhead storage tanks for fly ash.

19th September, 1984

661|Cal|84. Phillips Petroleum Company. Novel carbon blacks and method and apparatus for their production.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE, BOMBAY BRANCH, AT TODI ESTATES, THIRD FLOOR, LOWER PAREL (WEST),

BOMBAY-400 013

10th August, 1984

223|Bom|84. Jimmy Sorab Centeenwalla. A seal.

14 August, 1984

224|Bom|84. Kambyan Valapil Radhakrishnan Nair. Rolling Hallow Metal Sections.

225|Bom|84. Zaverchand Shah. Tube light fitting.

16th August, 1984

226|Bom|84. Vasudha Gajanan Sathaye. Device to accomplish constant flow of water through diversion works provided on the Bank/Banks of a river having varying discharge.

227|Bom|84. Santosh Kumar Mahajan. Earthing Cell.

17th August, 1984

228|Bom|84. Suesen Textile Bearings Limited. A device for measurement of bore-to face squareness and bore-to-outside diametrical eccentricity for cylindrical work-piece like bearing rings.

229|Cal|84. National Organic Chemical Industries Limited. A process for the manufacture of N-Methyl-2-(1-Hydroxy-2-2-Trichloroethyl) Aceto Ac-etamide.

21st August, 1984

230|Bom|84. Croli-Reynolds Engineering Com., Inc., A process for removing solids from a liquid without loss of heat portion and an apparatus therefor.

231|Bom|84. Nandita Amin. A sitting device.

232|Bom|84. Indian Petrochemicals Corporation Ltd. An improved process for the manufacture of butene-1.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

3rd September, 1984

671|Mas|84. Bernd Kos. Work-hardenable austenitic manganese steel and method for the production thereof.

672|Mas|84. ITT Industries, Inc. Apparatus and process for producing shaped metal parts.

4th September, 1984

673|Mas|84. Lucas Industries Public Limited Company. Improvements in actuator assemblies for vehicle brakes. (September 17, 1983).

674|Mas|84. Gema S.A. Process for the preparation of N-L-OC-Aspartyl-L-Phenylalanine 1-alkyl esters.

675|Mas|84. The Dow Chemical Company. Polymeric alkyl-nephosphoric acid piperazine derivatives for scale control in flue gas desulfurization.

676|Mas|84. Buss AG, Busel. Method and apparatus for the reclamation of waste oil.

677|Mas|84. Berol Kemi AB. Promoted nickel and/or cobalt catalyst, its use, and process performed in its presence.

5th September, 1984

678|Mas|84. AE PLC. Cylinder liners. (September 6, 1983).

679|Mas|84. BBC Brown, Boveri & Company Limited. Butterfly valve with servo-motor.

680|Mas|84. Karl Von Wedel. Grate plates retaining solids and improving gas distribution to be used in grates for the heat treatment of solid material.

6th September, 1984

681|Mas|84. P. Krishnamurthy. A power transmission device.

682|Mas|84. The Salk Institute for Biological Studies. Gf Analogs.

683|Mas|84. Mitsubishi Denki Kabushiki Kaisha. A control apparatus for an AC elevator.

684|Ms|84. Sumitomo Metal Industries, Ltd. Apparatus for gasifying carbonaceous material.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 170B + D.

154319.

Int. Cl. C11d-1/00, 3/00.

A PROCESS FOR PREPARING AN ADJUNCT FOR USE IN THE MANUFACTURE OF A DETERGENT POWDER.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. RICHARD SHAW JOHNSON AND

2. JOHN KENNETH POTTER.

Application No. 328|Bom|80. Filed Oct 30 1980.

U.K. Convention Priority date : 31-10-1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A process for the manufacture of an adjunct for use in the manufacture of detergent powders comprising granulating a substrate, followed by absorbing a liquid component of a detergent powder in said granulated substrate which is selected from sodium tripolyphosphate or disodium hydrogen orthophosphate characterized in that said granulation of said substrate is carried out with simultaneous hydration of the substrate and without any drying of granules before absorbing the said liquid compound.

Complete Specification 11 pages. Drawing Nil.

Ind. Cl. : 134D.

154320.

Int. Cl. : G05d 13/64.

Title : A DEVICE FOR RENDERING TAMPERPROOF AN ELECTRONIC SPEED LIMITING SYSTEM.

Applicant : DYNACRAFT MACHINE COMPANY AN INDIAN COMPANY OF C.D. BARFIWALA MARG, ANDER (WEST) P.O. BOX-7370, BOMBAY-400 058, INDIA.

Inventor : RASHID NAZAR FUTEHALLY.

Application No. 151|BOM|81 filed on Jun, 1, 1981.

Complete after provisional left on August, 31, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

Claims.

1. A device for rendering tamperproof an electronic speed limiting system or speed limiter having sensor means and electronic control unit, said device comprising a motion detector which responds to the vibrations in a moving vehicle and generates corresponding pulses or signals and a logic system which receives inputs from said motion detector and the sensor means of said speed limiter and generates an inhibiting signal which acts on the electronic control unit of said speed limiter so as to put it in the cut-off condition or reduced speed condition.

Provisional specification 6 pages. Drawings 1 Sheet.

Complete specification 8 pages. Drawings Nil.

Ind. Cl. 119F4.

154321.

Int. Cl. D03 d 49/00.

Title : IMPROVED PICKERS FOR NON AUTOMATIC OVERPICK LOOMS.

Applicant : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, AN INDIAN REGISTERED BODY REGISTERED UNDER SOCIETY'S REGISTRATION ACT, XXI, OF 1860, P.O. POLYTECHNIC, AHMEDABAD-380 015, GUJARAT, INDIA.

Inventors : 1. VIJAYSINH SARDARSINH JADEJA, 2. RAMKRISHNAN BABURAO JADHAV, 3. PRADYUMANSINH BALVIRSINH JHALA, 4. CHITHATOOR GOPALAN VENKATARAMAN.

Application No. 201|BOM|1981. Filed on Jul, 9, 1981.

Complete after Prov. left on Jun 14, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

A picker for non-automatic overpick loom wherein at least one stud pin, being a retaining pin, is mounted on top face of the picker for holding a connecting link, to be connected to one end of the picking band, the said connecting link having an opening for said stud pin to pass therethrough, so that the connecting link will be freely rotatable around the said stud pin.

Provisional specification 6 pages. Drawings 2 sheets.

Complete specification 9 pages. Drawings 1 sheet.

Ind. Cl. : 32F3a + 55D2.

154322.

Int. Cl. Aoln 9:00 C07 C 67/00, 69/00.

Title : IMPROVEMENT IN OR RELATING TO A PROCESS FOR THE PREPARATION OF AN ISOMERIC MIXTURE OF PHENOXYBENZYL CHRYSANTHEMATES ("PHENOTHERIN") SUBSTANTIALLY RICH IN *m*-PHENOXYBENZYL (+) TRANS-CHRYSANTHEMATE ("BIO-PHENOTHERIN").

Applicant : M/S. CHAMPHOR AND ALLIED PRODUCTS LIMITED, AN INDIAN COMPANY, HAVING ITS REGISTERED OFFICE AT JEHANGIR BUILDING, 133, MAHATMA GANDHI ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : DR. VINAYAK DAGADU PATIL (2) DR. SUNDERESAN MADHUSOODNAN (3) DR. SUKH DEV.

Application No. 213/BOM/81 filed on July 23, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

13 Claims.

1. A process for the preparation of an isomeric mixture of *m*-phenoxybenzyl chrysanthemates, containing *m*-phenoxybenzyl (—) *cis*-chrysanthemate, *m*-phenoxybenzyl (—) *iso cis*-chrysanthemate, *m*-phenoxybenzyl (+) *trans*-chrysanthemate and *m*-phenoxybenzyl (+) *iso-trans*-chrysanthemate substantially rich in *m*-phenoxybenzyl (+)-*trans*-chrysanthemate of structural formula I of the accompanying drawings which comprises.

Step (a) : trans-esterification of an isomeric mixture of alkyl chrysanthemates, containing (—) *cis*-alkyl chrysanthemate, (—) *iso-cis*-alkyl chrysanthemate, (+) *trans*-alkyl chrysanthemate and (+) *iso-trans*-alkyl chrysanthemate, substantially rich in (+)-*trans*-alkyl chrysanthemate of structural formula IV of the accompanying drawings (where R = alkyl group upto 4 carbon atoms) with *m*-phenoxybenzyl alcohol of structural formula III of the accompanying drawings, in the presence of a basic catalyst such as sodium *m*-phenoxybenzyl alkoxide of structural formula II of the accompanying drawings.

Step (b) : neutralisation of the above acid alkoxide of step (a) with a weak acid such as acetic acid, propionic acid or butyric acid after the said trans-esterification, to furnish a mixture of the unreacted *m*-phenoxybenzyl alcohol of structural formula III and an isomeric mixture of *m*-phenoxybenzyl chrysanthemates, substantially rich in *m*-phenoxybenzyl (+) *trans*-chrysanthemate of structural formula I of the accompanying drawings.

Step (c) : selective liquid-liquid extraction of the reaction mixture of said step (b) between a polar solvent such as herein described and a non-polar solvent such as herein described, whereby the polar solvent extracts the *m*-phenoxybenzyl alcohol of said formula III and the nonpolar solvent extracts the isomeric mixture of *m*-phenoxybenzyl chrysanthemates, as described earlier substantially rich in *m*-phenoxybenzyl (+) *trans*-chrysanthemate of said formula I.

Complete specification 13 pages. Drawings 2 sheets

CLASS : 5E.

154323.

Int. Cl. AOIC-7/00.

A DEVICE FOR DIGGING AND DROPPING SEED AND FERTILIZER SIMULTANEOUSLY.

Applicant : SUDHAKAR ANNA PATIL, OF LUMINO PAINTS, 1398, E-WARD, SHAHU NAGAR, RAJARAM-PUR, KOLHAPUR DISTRICT, STATE OF MAHARASHTRA, INDIA.

Application No. 218/Bom/1981 filed July 27, 1981.

Complete after provisional left on July 26, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

14 Claims.

A device for digging and dropping seed and fertilizer simultaneously, comprising one or more sets consisted of a main wheel provided on an axle, the rim of the said main wheel having notches/holes/slots to which digging elements are fitted on the outer side and contact plates at the inner side; when main wheel rotates, the digging elements strike the soil thereby digging the pits; the said axle rotates in the bearings provided on the frame; an auxiliary digging element provided behind the main wheel; the said contact plates while rotating causes the auxiliary digging element with the help of an activation mechanism to strike the ground at the point where the digging mechanism to strike the ground at the point a hopper having two compartments provided on the frame in which seed and fertilizer are stored; seed metering and fertilizer when get blocked; the rotation of auxiliary digging at the bottom of the two hopper compartments; two funnels which join together to form a single tube at the bottom, wherein a discharge unit is provided, are fixed below the two compartments with a gap, where the brushes made of soft material such as nylon are fixed which help to clear seed/fertilizer when get blocked; the rotation of auxiliary digging element causes movement of the agitators fitted thereto, thereby causing to deliver the seed/fertilizer into the funnel; the discharge unit discharges the seed and fertilizer at once in the pits; a covering element and a press wheel provided on the rear side of the discharge unit, the said covering element covers the seed/fertilizer with soil and the said press wheel presses the same; a turning-lifting system provided at the front side of the device.

Complete specification 19 pages. Drawing 4 sheets.

Provisional specification 7 pages. Drawing 4 sheets.

CLASS : 4A6.

154324.

Int Cl B64c 11/16.

"A DEVICE FOR LIMITING THE FLAPPING MOVEMENTS OF THE BLADES OF A ROTARY-WING AIRCRAFT MAIN ROTOR".

Applicant : SOCIETE NATIONALE INDUSTRIELLE AFROSPATIALE, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF 37 BOULEVARD DE MONTMORENCY, PARIS, FRANCE.

Inventors : MARC AUGUSTE DECLERCQ, GERARD MARGANT.

Application for patent No. 592/DEL/79 filed on 17th August, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims.

A rotary-wing aircraft main rotor assembly, including a rotor hub carried on a rotor shaft and rotatable about a fixed axis of rotation and at least two rotor blades each blade having its root connected to said hub via mechanical attachment means including connecting joints allowing flapping movements.

of said corresponding blade for rotation in opposite directions in a substantially vertical plane, about a flapping axis, substantially perpendicular to an axial plane of symmetry of said corresponding blade at rest and further including;

a device for limiting said flapping movements of said rotor blades comprising;

for each blade, upper abutment means for limiting the upward rotary movement of said corresponding blade beyond a first predetermined position in said substantially vertical plane; said upper abutment means comprising;

a bent lever rotatably mounted on a pivot secured to a top part of said rotor hub and having a first arm the free end of which forms an abutment part and a second arm the end of which carries a predetermined weight;

a spring connecting said bent lever to said top part of said hub and being operable to normally rotate said bent lever in one direction and hold said bent lever in a predetermined position when the angular velocity of said rotor hub is below a predetermined value, said predetermined weight being operable to effect rotation of said bent lever in the opposite direction, beyond said predetermined position, when said angular velocity of said hub exceeds said predetermined value;

and bearing means carried by one of the two elements comprising said corresponding blade root and said corresponding attachment means and being engageable with said abutment part of said corresponding bent lever when said bent lever is held in said predetermined position to thereby prevent the upward rotary movement of said blade beyond said first predetermined position in said substantially vertical plane wherein said corresponding pivot is parallel to said hub rotation axis near said blade axial plane of symmetry, and said first and second arms of said bent lever each rotates in a substantially horizontal plane, said first arm of said bent lever extending substantially parallel to said blade axial plane of symmetry when said bent lever is held in said predetermined position, and wherein said device also comprises lower abutment means for limiting the downward rotary movement of said corresponding blade beyond a second predetermined position in said substantially vertical plane, said lower abutment means comprising;

a reciprocal ring, common for all said rotor blades and slidably mounted around said rotor shaft in a plane perpendicular to said hub rotation axis;

and for each rotor blade a bearing slide carried by one of said two elements, comprising said corresponding blade root and said corresponding attachment means, and being engageable with said reciprocal ring so that, when said corresponding blade is rotated downwards and said velocity is below said predetermined value, said corresponding blade tends to push inwards said reciprocal ring, which in turn tends to push upwards at least another of said rotor blades, at least one of said other blades being prevented from rotating upwards by its upper abutment means when said second predetermined position in said substantially vertical plane is reached by said corresponding blade.

Complete specification 27 pages. Drawing 2 sheets.

CLASS : 150E, 151E. 154325.

Int. Cl. F161 19/00.

"A PIPE CAPABLE OF BEING COUPLED TO A LIKE PIPE".

Applicant : MICHAEL JOHN POOK, A BRITISH CITIZEN OF C-4, COMMERCIAL CENTRES, SAFDARJUNG, DEVELOPMENT AREA, NEW DELHI-110016, INDIA.

Inventor : MICHAEL JOHN POOK.

Application for patent No. 250/Del/80 filed on 5th April, 1980.

Complete specification left on 3rd July, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims.

(1) A pipe capable of being coupled to a like pipe through coupling means provided at either ends thereof, said coupling means comprising a shoulder provided in the proximity of a first coupling end, said first coupling end having a diameter extending from said shoulder to the coupling end smaller than the remaining length of the pipe, said pipe having a reinforcement at the opposite or second coupling end, and an annular groove in the proximity of said second coupling end.

Provisional specification 6 pages.

Complete specification 10 pages. Drawing one sheet.

CLASS : 32F1.

154326.

Int. Cl. C07c, 103/00.

"PROCESS FOR PREPARING A CRYSTALLINE, INSECTICIDAL PYRETHROID ENANTIOMER PAIR"

Application : FMC CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA, MANUFACTURERS.

Inventor : LELAND ARTHUR SMELTZ.

Application for Patent No. 345/Del/1980 filed on 12th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims.

A process for preparing a crystalline insecticidal compound, characterized in that said compound is a substantially equimolar mixture of the enantiomer pair (S) — (cyano) (3-phenoxyphenyl) methyl (1R-cis)-3-(2, 2-dichloroethenyl)-2, 2-dimethylcyclopropanecarboxylate and (R)-(cyano) (3-phenoxyphenyl) methyl (1S-cis)-3-(2, 2-dichloroethenyl)-2, 2-dimethylcyclopropanecarboxylate and further characterized by treating a racemic mixture of the four isomers of (cyano) (3-phenoxyphenyl) methyl 3-(2, 2-dichloroethenyl)-2, 2-dimethylcyclopropanecarboxylate with 1 to 10 cc per gram of a non-polar solvent selected from the group consisting of an aliphatic or cycloaliphatic hydrocarbon of 5 to 8 carbon atoms and separating said crystalline insecticidal compound in a known manner from the resulting mixture comprising said crystalline compound and residual isomers and, if desired, treating said residual isomers with a base selected from the group consisting of lower alkyl primary, secondary, and tertiary amines, ammonia, and mixtures thereof in the presence of a solvent selected from a liquid aromatic hydrocarbon having 6 to 10 carbon atoms, a saturated aliphatic or cycloaliphatic ether having 4 carbon atoms, an aliphatic ketone having 3 or 4 carbon atoms, and a chlorinated hydrocarbon having 2 to 4 carbon atoms, to obtain a solution of the racemic compound (cyano) (3-phenoxyphenyl) methyl (cis)-3-(2, 2-dichlorocyclopropanecarboxylate) then removing the solvent from said solution to obtain a residue comprising said racemic compound and treating said residue with said non-polar solvent for obtaining said crystalline insecticidal compound.

Coml. specification 16 pages. Drawing 1 sheet.

CLASS : 201D.

154327.

Int. Cl. C02c 5/00.

"METHOD AND APPARATUS FOR THE TREATMENT OF WASTEWATER".

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1 3JF, ENGLAND, A BRITISH COMPANY.

Inventors : DAVID ALBERT HINES AND DAVID HUGH BOLTON.

Application for Patent No. 348/Del/80 filed on 13th May, 1980.

Convention date 23rd May, 1979/7917971 (G.B.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims.

A method for the treatment of wastewater for the removal of organic materials comprises the steps of circulating the wastewater around a system comprising a downcomer and a riser communicating with each other at their lower ends, the level of the wastewater in the downcomer being maintained above the level of the wastewater in the riser and providing a hydrostatic pressure head which causes circulation of the waste-water around the system at a pre-selected rate, supplying a gas containing free oxygen as described herein to the wastewater as it passes through the downcomer, and pumping the wastewater from, or from near, the top of the riser back into the downcomer (or vessel communicating therewith) at a position or positions above the highest level to which the wastewater in the downcomer can fluctuate during normal operation of the system when operating at maximum load.

Complete specification 11 pages. Drawing 5 sheets.

CLASS : 32D.

154328.

Int. Cl. C07 f 7/22.

"PROCESS OF PREPARING ORGANOSTANNIC COMPOUNDS, STABILIZERS FOR VINYL HALIDS RESINS".

Applicant : SOCIETE NATIONALE ELF AQUITAINE, A FRENCH COMPANY, OF TOUR AQUITAINE, 92400 COURBEVOIE, FRANCE.

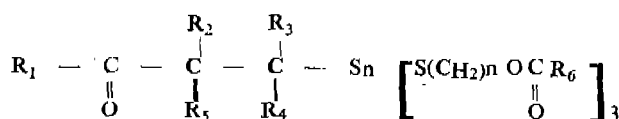
Inventor : MICHEL FOURE.

Application for Patent No. 363/DEL/80 filed on 19th May, 1980.

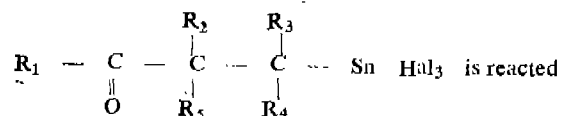
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 001.

4 Claims.

Process for preparing organostannic compounds stabilizers for vinyl halide resins of the general formula



wherein R_1 represents an alkyl group, a hydroxy or a hydrocarbon group containing oxygen; R_2, R_3, R_4 represent hydrogen or an alkyl hydrocarbon radical containing from 1 to 3 carbon atoms; R_5 is hydrogen R_6 is an alkyl containing from 1 to 18 carbon atoms; n is equal to 2, 3 or 4, characterised by the fact that organostannic trihalides of the formula



with mercapto alkyl esters $H S (CH_2)_n O C R_6$

in which $R_1, R_2, R_3, R_4, R_5, R_6$ and n are as defined above; one of CH_2 being substitutable by a hydroxy group by any known methods.

Complete specification 12 pages.

CLASS : 32D.

154329

Int. Cl. C07f, 7/22.

"PROCESS FOR THE PREPARATION OF ORGANO-STANNIC TRIHALIDES".

Applicant : SOCIETE NATIONALE ELF AQUITAINE, A FRENCH COMPANY, OF TOUR AQUITAINE, 92400 COURBEVOIE, FRANCE.

Inventor : MICHEL FOURE.

Application for Patent No. 364/Del/80 filed on 19th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims.

A process of preparing organostannic trihalides obtained by the action of a stannous compound such as herein described on an olefin compound such as herein described activated by a carbonyl group adjacent to the carbon-carbon double bond in the presence of a hydrohalic acid, characterised by the fact that the reaction medium is free of any foreign solvent but contains an excess of olefin, said excess being at least 0.5 mol per mol of stannous compound.

Complete specification 12 pages. Drawing 1 sheet.

CLASS : 60D.

154330.

Int. Cl. A63b 71/00.

"A HAND GLOVE".

Applicant : ISHAR DASS MAHAJAN & SONS., A PARTNERSHIP FIRM, OF BASTI NAU, JULLUNDUR-144002, INDIA, AN INDIAN FIRM, WHOSE PARTNERS ARE ISHAR DASS MAHAJAN, KULDIP RAJ MAHAJAN, SUKHIDIP RAJ MAHAJAN AND BALJIT RAJ MAHAJAN OF THE SAME ADDRESS AND ALL BEING INDIAN NATIONALS.

Inventors : ISHAR DASS MAHAJAN, KULDIP RAJ MAHAJAN, SUKHIDIP RAJ MAHAJAN AND BALJIT RAJ MAHAJAN.

Application for Patent No. 377/Del/80 filed on 21st May, 1980.

Complete specification left on 15th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims.

A hand glove for handling a sporting article, such as a cricket bat, comprising a glove body formed from an upper and lower sheet, five elongate members being provided with or formed with said glove body for accommodating the five fingers of a hand, characterized in that a plurality of paddings are provided across the width of the upper sheet of the said glove.

Provisional specification 5 pages.

Compl. specn. 8 pages, Drawing one sheet.

CLASS : 32F (b).

154331.

Int. Cl. C07 d 57/00.

"A PROCESS FOR THE SELECTIVE ISOLATION OF VINBLASTINE SULPHATE FROM VINCA ROSEA PLANTS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : ALLA VENKATA RAMA RAO, GADDA-MIDI VENKATSWAMY, KESHAV MEGHASHYAM SATHAYE AND PFENDRI YADAGIRI.

Application for Patent No. 378/Del/80 filed on 21st May, 1980.

Complete specification left on 21st August, 1981.
110 005.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims.

An improved process for the selective isolation of pure vinblastine sulphate from *vinca Rosea* L. plant comprising treating the dried plant with an acid or base, extracting the product mixture with a water immiscible organic solvent, treating the organic solvent extract formed with an aqueous organic acid solution, subjecting the aqueous acid phase thereof to organic solvent extraction and separating the alkaloids from the organic solvent extract formed, characterised in that the said organic solvent extract is treated with aqueous organic acid solution in multiple steps to obtain a plurality of aqueous fractions thereof each at a pH of level not more than 3.0 to 5.5 and treating the each of said fractions obtained with a water immiscible organic solvent to obtain crude vinblastine further treating the crude product with ethanolic sulphuric acid to form vinblastine sulphate and purifying the final product by crystallisation.

Provisional specification 5 pages.

Complete specification 12 pages.

CLASS : 151B.

154332.

Int. Cl. F23j, 3/00, 15/00.

"SOOT BLOWER SUPPORT".

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF DELAWARE, WITH OFFICES AT 1770 BEREA ROAD, CLEVELAND, OHIO, U.S.A.

Inventor : THEODORE ROBERT SILVER.

Application for Patent No. 381/Del/80 filed on 22nd May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims.

In a soot blower which comprises (a) blower support structure for mounting on a boiler, (b) a carriage movably supported on said support structure and carrying an elongated lance tube, (c) an elongated feed tube coaxial with and slideably received in said lance tube and passing through said carriage, an improved support means for said elongated lance and feed tubes which comprises (d) lance and feed tube support arms pivotally mounted on said support structure, (e) said support arms being pivotable between retracted positions spaced from said tubes and support positions engaging and supporting said tubes (f) connections means engaging the respective lance and feed tube support arms for maintaining predetermined pivotal relationships therebetween, whereby when one support arm is in a retracted position the other is in a support position, (g) said support arms being spaced apart a sufficient distance to accommodate the passage therebetween of said carriage, and (h) cooperating means on said carriage and said support arms whereby, upon movement, of the leading side of said carriage into contact with a supporting arm in support position, said arm is displaced toward a retracted position by continued carriage movement while the other arm is displaced by said connecting means toward a support position on the trailing side of said carriage.

Complete specification 9 pages. Drawing 1 sheet,

CLASS : 155C.

154333.

Int. Cl. E04c 1/40.

"A LAMINATE".

Applicant : SONTI VENKATA KRISHNAMURTY AND GAUTAM SONTI, BOTH INDIAN NATIONALS OF N-12, GREATER KAILASH-I, NEW DELHI-110048, INDIA.

Inventors : SONTI VENKATA KRISHNAMURTY AND GAUTAM SONTI.

Application for Patent No. 384/Del/80 filed on 23rd May, 1980.

Complete specification left on 23rd July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims.

A laminate consisting of at least a first and second substrate held in a bonding relationship to each other, said first substrate consisting of a member impregnated with a water proofing and weathering agent such as asphalt, bitumen or coal tar pitch, said second substrate consisting of a single or plurality of mats formed from a cellulosic material or cellulosic waste material.

Provisional specification 7 pages.

Complete specification 11 pages. Drawing one sheet.

CLASS : 39P.

154334.

Int. Cl. C01g 19/00.

"A PROCESS FOR PREPARATION OF STABLE STANNOUS SULPHATE SOLUTIONS".

Applicant : THE CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVT. OF INDIA, NEW DELHI, INDIA, AN INDIAN NATIONAL.

Inventors : SUBRATO MAHAPATRA AND LAXMINARAYAN GANAP BHATGADDE.

Application for Patent No. 385/Del/80 filed on 23rd May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims.

A process for preparation of stable stannous sulphate solution which comprises in adding to a solution of stannous sulphate a stabilizing compound consisting of catechol and sulphuric acid.

Complete specification 7 pages. Drawing one sheet.

CLASS : 141F.

154335.

Int. Cl. C21b 1/00.

"AN IMPROVED PROCESS FOR PRODUCTION OF IRON ORE CONCENTRATE FROM LOW GRADE ORES HAVING HYDRATED IRON OXIDES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : NIDHIR CHAKRAVORTY, BIRENDRA LAL SEN GUPTA, KALYAN KUMAR BHATTACHARYYA, AND GOPESHWAR PRASAD MATHUR.

Application for Patent No. 386/Del/80 filed on 23rd May, 1980.

Complete specification left on 22nd August, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims.

An improved process for the production of iron ore concentrates from low grade iron ores having hydrated iron oxides comprising roasting the ore at 550° to 600°C cooling the roasted ore below 100°C and subjecting the same to magnetic separation, characterised in that the roasting of the ore is carried at a temperature of 350°C to 400°C in an enclosed atmosphere of air and/or reducing gases.

Provisional specification 3 pages.

Complete specification 5 pages.

CLASS : 32B.

154336.

Int. Cl. C07c 11/04.

"A PROCESS FOR THE DEHYDRATION OF ETHANOL TO ETHYLENE".

Applicant : HALCON RESEARCH AND DEVELOPMENT CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT 2 PARK AVENUE, NEW YORK, NEW YORK-10016, UNITED STATES OF AMERICA.

Inventor : SARGIS KHOBIAR.

Application for Patent No. 428/DEL/80 filed on 10th June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims.

A process for the dehydration of ethanol to ethylene in the vapor phase at temperatures in the range of 250 to 450°C over an alumina catalyst having a surface area of at least 150 m²/gm characterized in that said alumina has been pre-treated with carboxylic acids and/or salts of the kind such as herein described capable of extracting impurities from said alumina, thereby improving the selectivity of said catalyst for the formation of ethylene.

Complete specification 15 pages.

CLASS : 70A.

154337.

Int. Cl. H01m 29/00.

"NONAQUEOUS CELLS EMPLOYING HEAT-TREATED MnO₂ CATHODES".

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventor : MARVIN LEE KRONENBERG.

Application for Patent No. 429/DEL/80 filed on 10th June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

16 Claims.

A nonaqueous cell comprising an active metal anode such as herein defined, a manganese dioxide-containing cathode and a liquid organic electrolyte comprising 3-methyl-2-oxazolidone in combination with a solute such as herein defined and wherein the manganese dioxide has a water content of less than 1 weight percent based on the weight of the manganese dioxide, the amount of solute being sufficient to give a conductivity of at least 10⁻⁴ ohm⁻¹ cm⁻¹.

Complete specification 17 pages.

Class :—134D, 150B.

154338.

Int. Class :—B62d, 3/02, B60g, 25/00 & F16c, 19/00.

"BALL AND SOCKET JOINTS".

Applicant :—AUTOMOTIVE PRODUCTS PLC, FORMERLY KNOWN AS AUTOMOTIVE PRODUCTS LIMITED, A BRITISH COMPANY OF TACHBROOK ROAD, LEAMINGTON SPA, WARWICKSHIRE CV31 3ER, ENGLAND.

Inventor : DAVID JOHN ROWLAND FARRANT.

Application for Patent No. 437/DEL/80 filed on 12th June, 1980.

Convention date 5th July, 1979/79 23438(U.K.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims.

A ball and socket joint comprising a ball pin, a socket and a composite plastics support bearing for the ball of the ball pin, the support bearing being retained in the socket and comprising a hard plastics bearing member in the form of a collar and a soft plastics cushion member having radial arms and which fits into a correspondingly radially notched end of the collar, the cushion member being held by the bearing member so as to be stressed by contact with the ball on assembly of the joint.

Complete specification 9 pages. Drawing 3 sheets.

CLASS : 120B1, Cl. 36B1.

154339.

Int. Cl. F01m 7/00.

"A VERTICALLY MOUNTED SMALL OR FRACTIONAL HORSE POWER ELECTRIC MOTOR HAVING A SELF LUBRICATION SYSTEM".

Applicant : THE JAY ENGINEERING WORKS LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 23, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : TEJ BHAN GUPTA, VINOD KUMAR CHHABRIA.

Application for Patent No. 441/DEL/80 filed on 16th June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims.

A vertical mounted small or fractional horse power electric motor having a self lubrication system which system comprises a lubricating oil reservoir within the bottom cover of the rotor of the motor, a tube within vertical hollow shaft of the stator of the motor for supplying the lubricating oil to the said reservoir, a bearing bush mounted in the said bottom cover and surrounding the stator shaft, one or more passages extending upwardly from the said reservoir between the outer periphery of the bearing bush and the bottom cover, an annular felt washer located in a housing formed in the bottom cover and surrounding the bearing bush, and a felt washer retainer cap fitted on the bottom cover, the felt washer being adapted to absorb the lubricating oil flowing upwardly through the said passage or passages due to centrifugal force, forced vortex flow and capillary action when the motor is rotating, and to supply the oil to the bearing bush for lubricating the opposed surfaces of the bearing bush and the stator shaft and to return the oil to the said reservoir.

Complete specification 9 pages. Drawing 1 sheet.

CLASS : 70A.

154340.

Int. Cl. B01k 1/00.

"AN IMPROVED NONAQUEOUS CELL".

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventor : TIBOR KALNOKI KIS.

Application for Patent No. 471/Del/80 filed on 23rd June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims.

An improved nonaqueous cell comprising an active metal anode; a cathode collector; an ionically conductive cathode electrolyte solution comprising a solute of the kind such as herein described dissolved in an active liquid cathode characterized in that a vinyl polymer is dissolved in the cathode electrolyte.

Complete specification 30 pages.

CLASS : 63B.

154341.

Int. Cl. H02k 3/06, 19/16.

"A ROTOR WITH A DAMPER SCREEN FOR AN ALTERNATOR WITH PROJECTING POLES".

Applicant : ALSTHOM-ATLANTIQUE, OF 38 AVENUE KLEBER, 75784 PARIS CEDEX 16, FRANCE, A FRENCH BODY CORPORATE.

Inventors : JEAN ALLEGRE, GILBERT MEROUGE, GILBERT RUELLF.

Application for Patent No. 472/DEL/80 filed on 23rd June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims.

A rotor in combination with a damper screen for an alternator with projecting poles, comprising a rotor having a longitudinal axis;

a magnetic circuit which forms poles which project radially outwardly, extend longitudinally from one end of the rotor to the other and are spaced out angularly about the axis, each pole including a polar core and ending near the outside in a projecting pole piece whose edges project angularly on either side of the polar cores;

exciter windings between the polar cores;

damper bars made of a substance which is a good conductor of electricity and extending longitudinally without discontinuity along the whole length of the poles, some of these bars being interpolar damper bars disposed between the poles; and

two conductor rings disposed coaxially with the rotor at both ends thereof and electrically connected to both ends of each damper bar to form said damper screen of the squirrel cage type with these bars;

wherein the interpolar damper bars of said rotor include in a gap between two neighbouring poles :

two shoes which press respectively against the inside surfaces of the edges of the two projecting pole pieces; and

at least one wing integral with a said shoe and extending radially towards outside over more than half the radial gap of the neighbouring projecting poles pieces.

Complete specification 10 pages. Drawing 1 sheet.

CLASS : 15A.

154342.

Int. Cl. F16c 17/00.

"BEARING ASSEMBLY".

Applicant : VANDERVELL PRODUCTS LIMITED, A BRITISH COMPANY, OF NORDEN ROAD, MAIDENHEAD, BERKSHIRE SL6 4BG, ENGLAND.

Inventor : NORMAN FREDERICK BURKINSHAW.

Application for Patent No. 476/Del/80 filed on 24th June, 1980.

2—287GI/84

Convention date 6th July, 1979/79 23771 (G.B.), 15th August, 1979/79 28400 (G.B.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims.

A bearing assembly for an axle comprising a housing having at least one cylindrical bearing liner mounted therein and having a cylindrical bearing surface to receive the axle from one end of the housing, sealing means at said one end of the housing to form a lubricant seal with the axle, oppositely facing annular thrust faces on the housing for engaging oppositely facing annular thrust faces on the axle, the housing including a hollow end cap at said other end providing a lubricant reservoir, a delivery passage extending from the reservoir to a bottom region of the bearing surface of the liner to permit flow of lubricant from the reservoir to the liner, baffle means interposed between the inner surface of the end cap and the adjacent end of the axle arranged so as to minimize the amount of lubricant directed towards the upper region of the end cap during rotation of the axle and breather means in said upper region of the end cap in communication with the atmosphere.

Complete specification 11 pages. Drawing 3 sheets.

CLASS : 92C, H.

154343.

Int. Cl. B02c 9/04.

"PNEUMATIC GRAIN CONVEYANCE RICE MILL".

Applicant : FELIPE SALETE-GARCES, OF AVENIDA ANO DE JUAREZ 198, GRANJAS SAN ANTONJO, LAZAPALAPA, MEXICO 13, D.F. A MEXICAN CITIZEN.

Inventor : FELIPE SALETE-GARCES.

Application for Patent No. 497/DEL/80 filed on 4th July, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims.

A pneumatic grain conveyance rice mill comprising grain feed means; grain decelerator and abrading pneumatic sifter means; first pneumatic grain conveyor duct means to carry by means of an air stream said grain from said feed means to said grain decelerator and abrading pneumatic sifter means; pneumatic cyclonic separator means for removing dust and husk released from the grains by the grain decelerator and abrading pneumatic sifter means; second pneumatic conveyor duct means to carry grain, husk and dust from said grain decelerator and abrading sifter means to said pneumatic cyclonic separator means; and third pneumatic conveyor duct means to carry the spent air away from said pneumatic cyclonic separator means, said first, second and third pneumatic duct means forming first pneumatic grain conveyor means, freely hanging vibrational sieve means to receive grain by gravity from said grain decelerator and abrading pneumatic sifter means and to discharge by gravity screened grain; grain husking means for receiving by gravity said screened grain from said vibrational sieve means and to discharge husked grain; and grain polishing and whitening means for receiving said husked grain from said grain husking means and from which polished and whitened grain is discharged.

Complete specification 36 pages. Drawing 12 sheets.

CLASS : 47C.

154344

Int. Cl. F17c 7/00.

DEVICE FOR THE PRESSURE RELEASE OF REACTORS FOR GASIFICATION OF POWDERED FUELS

Applicants : BRENNSTOFFINSTITUT FREIBERG, OF 92 FREIBERG, HALSBRUCKER STR. 34, GERMAN DEMOCRATIC REPUBLIC AND GOSUDARSTVENNYI NAUTSCHNO-ISSLEDOWATELSKIY PROEKTNYI INSTITUT ASOTNOI PROMYSCHLENNOSTI I PRODUKTOV ORGANITSCHESKOGO SINTESA, OF UL. TSCHKALOWA 50, MOSKAU, USSR.

Inventors : 1. DIETER KONIG, 2. OTTO-KLAUS KUH-LBRODT, 3. KLAUS LUCAS, 4. PETER GOHLER, 5. FRIEDRICH BERGER, 6. MANFRED SCHINGNITZ, 7. ALEXANDER JEGOROW, 8. VASILII FEDOTOV, 9. VLADIMIR GAVRILIN, 10. ERNEST GUDYMOV, 11. VLADIMIR SEMENOV, 12. IGOL ACHMATOV, 13. NIKOLAI MAJDUROV, 14. EVGENIJ AVRAAMOV.

Application No. 991/Cal/79 filed September 21, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Device for pressure release of reactor used in the gasification of powdered fuels under a pressure between 5 and 50 bar for the production of gases containing H_2 and CO , which consists of a sheet-metal jacket, water jacket, pressure-bearing jacket, a brick lining and a cooling screen with a slit interposed, characterised thus, that for the purpose of pressure release of the reactor there is arranged preferably in the lower part thereof a connecting piece (11) leading from the outside of the reactor up to the hollow chamber (10) between cooling screen (7) and brick lining (5) for the purpose of feeding the deenergizing medium and that the hollow chamber (10) in the upper third of the reactor is connected with the reaction chamber (8) via a slit (6).

Compl. specn. 8 pages. Drgs. 2 sheets.

CLASS : 99A.

154345.

Int. Cl. B65 d 1/02, 1/16.

A CONTAINER.

Applicant : VTM HANDEL WYBRANIETZ GMBH & CO., OF HUBERTUSSTRASSE 41, 4350 RECKLINGHAUSEN, WEST GERMANY.

Inventor : 1. UDO D. MUHLHAN.

Application No. 276/Cal/80 filed March 10, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A container for storage of carbonated or fresh drinks comprising a shell formed from a plastic material inert to the drink to be stored therein having an upper part and a lower part joined together, an outer sleeve embracing said shell from the base towards the mouth end and forming a stand, and the upper part of said shell having a wide mouth and a metallic cover with a tear off opener.

Compl. specn. 12 pages. Drgs. 1 sheet.

CLASS : 99A.

154346.

Int. Cl. B65d 1/02, 1/16.

A CONTAINER.

Applicant : VTM HANDEL WYBRANIETZ GMBH & CO., OF HUBERTUSSTRASSE 41, 4350 RECKLINGHAUSEN, WEST GERMANY.

Inventor : 1. UDO D. MUHLHAN.

Application No. 277/Cal/80 filed March 10, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A container for storage of carbonated or fresh drinks consisting of a shell wherein, at least the lower part is formed by extrusion the base of said shell being a curved surface, an outer member removably held to said shell, a sealed stopper or closure having a tear opener sealed to said container, said outer member forming a support for said shell and, simultaneously, being also a vessel into which said drink can be

Compl. specn. 7 pages. Drgs. 1 sheet.

CLASS : 62 D & E.

154347

Int. Cl. D06f 1/00.

APPARATUS FOR THE LIQUID TREATMENT OF FIBRE STOCK.

Applicant : A. AHLSTROM OSAKEYHTIO, AT 29600 NOORMARKKU FINLAND.

Inventor : 1. FREY VIKING SUNDMAN.

Application No. 772/Cal/80 filed July 4, 1980.

Convention date 26th September, 1979 (7933408) U.K.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for the liquid treatment of fibre stock, comprising a longitudinally extending filter screen, at least a portion of which is substantially horizontally disposed and is curved so as to be upwardly concave in cross-section, means for effecting movement of said screen portion around the axis of curvature thereof, means for supplying fibre stock to one end of said screen portion for passage there along, means for removing fibre stock from the other end of said screen portion, and a longitudinally extending liquid supply member fixedly mounted so as to be downwardly radially displaced from said axis of curvature, said liquid supply member being provided with means for admitting treating liquid into the space defined by said screen portion, at least in a region longitudinally remote from the said end thereof.

Compl. specn. 16 pages. Drgs. 2 sheets.

CLASS 62D.

154348.

Int. Cl. D06 f 39/00.

A TEXTILE FINISHING METHOD AND APPARATUS FOR CARRYING OUT THE SAID METHOD.

Applicant : SIR JAMES FARMER NORTON & CO. LIMITED, OF ADELPHI IRON WORKS, SALFORD, MANCHESTER, M60 9HH, ENGLAND.

Inventor : 1. DAVID EDWARD 2. PEPLER NORTON.

Application No. 780/Cal/80 filed July 5, 1980.

Convention date 5th July, 1979 (7923500) U.K.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A textile finishing comprises the step of centrifugally impelling a liquid of the type used conventionally during textile finishing in the form of a fine mist-like spray against a moving fabric uniformly to distribute the liquid across the width of the fabric.

Compl. specn. 15 pages. Drgs. 4 sheets.

CLASS : 172C.

154349.

Int. Cl. D01 h 1/04.

FLYERS FOR SPINNING PREPARATORY MACHINE.

Applicant : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventors : 1. PETER NOVAK, 2. BRUNO TANNER.

Application No. 784/Cal/80 filed July 7, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

Flyer with two flyer arms and with an enclosed guide duct comprising a straight guide tube for a roving, which at a spinning position of a spinning preparatory machine is guided from a drafting arrangement through the guide duct over a presser finger, which at its free end is provided with a yarn guide, characterized in that the bottom ends of the flyer arms (14, 15, 16) are connected with a ring (17), that the straight guide tube (22) is supported in an upper and in a lower pivoting bearing (20, 21) and is supported rotatable about its longitudinal axis (23), and that the presser finger (25) is rigidly connected with the guide tube (22).

Compl. specn. 13 pages. Drgs. 2 sheets.

CLASS : 37A & B. 154350.
Int. Cl. B04 c 7/00.

CENTRIFUGAL SEPARATORS.

Applicant : SOCIETE LAB, OF 159 COURS ALBERT THOMAS, 69003 LYON, FRANCE.

Inventor : 1. JEAN-FRANCOIS VICARD.

Application No. 850/Cal/80 filed July 24, 1980.

Appropriate Office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A centrifugal separator for particle-laden fluid, having a pipe comprising a plurality of successive bends alternately oriented in one direction and in the other, said pipe being internally divided in the bends by the main concentric partitions into a plurality of elementary channels, collector means being provided in each elementary channel of each bend to collect the particles concentrated by centrifugal force against one of the walls of this channel, at least one of the said bends extending through an angle of more than 90°

Compl. specn. 9 pages. Drgs. 3 sheets.

CLASS : 63 A₁. 154351.
Int. Cl. H02 k 17/00.

A POLYPHASE ELECTRIC MACHINE BEING A MOTOR OR A GENERATOR.

Applicant : WANLASS TECHNOLOGIES, INCORPORATED, OF THE STATE OF CALIFORNIA, 1700 EAST WINSTON ROAD, ANAHEIM, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : 1. CRAVENS L. WANLASS.

Application No. 946/Cal/80 filed August 19, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

A polyphase electric machine being a motor or a generator comprising :

- a stator including a core of magnetic material;
- a rotor;

a main polyphase stator winding having a winding for each phase wound on said core and encompassing said magnetic material;

a plurality of input terminals adapted to be connected to a source of DC voltage;

a plurality of capacitors;

means connecting the main windings of each phase in a series circuit with one of said capacitors and said series circuits being connected with said input terminals;

a polyphase control winding having a winding for each phase wound on said core to encompass said magnetic material and connected to a plurality of input terminals together with the respective main windings and the series connected capacitances;

switches for each winding of the polyphase stator winding; and

a trigger source for the switches, the switches being operative with the trigger source and the capacitor and winding of each winding of polyphase winding to permit sequentially current flow in opposite directions across the windings.

Compl. specn. 30 pages. Drgs. 3 sheets.

CLASS : 55F. 154352.
Int. Cl. A61 r 7/16.

A PROCESS FOR PREPARING ANHYDROUS DENTURE CLEANSING COMPOSITIONS.

Applicant : RECKITT & COLMAN PRODUCTS LIMITED, OF P.O. BOX 26, 1-17, BURLINGTON LANE, LONDON, ENGLAND, W4 2RW.

Inventor : 1. KENNETH DAVID BOGIE.

Application No. 1133/Cal/80 filed October 4, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims.

A process for the preparation of an anhydrous denture cleaning composition for dissolution in water to form a denture cleaning bath comprising 10% to 40% by weight of at least one permono-sulphate of formula M^1HSO_3 wherein M^1 is an alkali metal cation, a tartar removal component consisting of at least one bisulphate of formula M^2HSO_4 wherein M^2 is an alkali metal cation and/or a fruit acid selected from the group consisting of succinic acid, malic acid, tartaric acid, citric acid, and mixtures of such acids, and at least one substantially chloride-free anhydrous alkali metal carbonate of formula M^3CO_3 wherein M^3 is an alkali metal cation, said chloride-free anhydrous alkali metal carbonate being in sufficient amount to develop an initial pH of ≤ 4.5 in the denture cleansing bath comprising the steps of predrying selected components of the composition and dry mixing the dried components with the other components to produce the denture cleansing composition having a free surface moisture content less than 0.5%.

Compl. specn. 17 pages. Drgs. Nil.

CLASS : 172C₁. 154353.
Int. Cl. D01 j 5/00, 7/00, 9/00.

METHOD AND APPARATUS FOR OPENING AND MIXING FIBRE BALES.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

Inventors : 1. GEORG GOLDAMMER, 2. JOACHIM DAMMIG, 3. GUNTER MAHRT.

Application No. 1159/Cal/80 filed October 14, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Method of opening and mixing fibre bales comprised of individual mixing components on the basis of predetermined mixing proportions, in which from the bale or bales of each mixing component successive quantities of fibre material are removed and weighed until a prescribed weight, which corresponds to the predetermined mixing proportion is reached, characterised in that initially a load, which is less than the prescribed weight, is assigned to each mixing component and the fibre material is removed from a mixing component in quantities of a first amount until the initially assigned load is reached and that then the quantity of fibres removed from the mixing component is reduced to a second amount which is smaller than the first amount until the prescribed weight is reached, whereupon the process performed for the first mixing component is repeated for the next mixing component.

Compt. specn. 25 pages.

Drgs. 4 sheets.

Class. 172C₁. 154354.
Int. Cl. D 01g 15/14.

A CARD CLOTHING INTENDED TO BE MOUNTED TO THE FLATS OF A CARDING MACHINE.

Applicant : —GRAF & CIE. A.-G., OF ALTE JONAS-TRASSE, CH-8640 RAPPERSWIL, SWITZERLAND.
Inventor : —1. RALPH GRAF.

Application No. 1170/Cal/80 filed October 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A card clothing intended to be mounted to the flats of a carding machine, comprising a plurality of wire sections of equal length provided with teeth and mounted onto a carrier member, wherein said carrier member comprises an elongated rolled iron profile, further wherein the width of said iron profile equals the length of said wire sections, and wherein each of said wire sections is welded at both its ends to the longitudinally extending edge areas of said iron profile.

Compt. specn. 17 pages.

Drgs. 3 sheets.

Class. 68E₁ d148-A.

154355.

Int. Cl. G03d|15001, G05f1|00.

FUSER SYSTEM FOR AN ELECTROSTATIC REPRODUCTION APPARATUS.

Applicant:—XEROX CORPORATION OF SEROX SQUARE, ROCHESTER, NEW YORK, UNITED STATES OF AMERICA.

Inventors:—1. JE ROME, S. RASKIN, 2. WARREN L. HALL, 3. CHARLES P. HOLT, 4. GERALD E. CARLSON.
Application No. 211|Cal|81 filed February 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A fuser system for an electrostatic reproduction apparatus comprising:

a fuser;

a power source for the fuser;

a gate for selectively connecting the fuser to the power source.

circuitry connected to the power source and providing a power source sample signal;

digitizing means for providing a digital signal equivalent of the sample signal; and

control means responsive to the digital signal equivalent to selectively activate the gate to regulate the electrical input to the fuser.

Compt. specn. 25 pages.

Drgs. 3 sheets.

Class. 159J.

154356.

Int. Cl. B61k 9/06.

A RAILROAD CAR HOT BOX DETECTOR.

Applicant:—SERVO CORPORATION OF AMERICA, OF 111 NEW SOUTH ROAD, HICKSVILLE, NEW YORK 11802, USA.

Inventors:—1. JOSEPH EUGENE BAMBARA, 2. WALTER WOODWARD SANVILLE.

Application No. 446|Cal|81 filed April, 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A railroad car hot box detector system comprising:

infra-red responsive scanner means positioned along a section of track and adapted to scan passing railroad cars within a sensing zone along said track and to generate a signal in response thereto, said signal including portion thereof having an amplitude and waveform indicative of the passing of a wheel bearing and the temperature and type thereof;

variable circuit means for digitally processing samples of said signal to determine the condition of said bearing; and,

means for detecting physical conditions of said car and for varying said processing circuit in response to said car conditions.

Compt. specn. 16 pages.

Drgs. 2 sheets.

Class. 108C₁.

154357.

Int. Cl. C21c 5/32, 5/36.

IMPROVED PROCESS FOR THE PRODUCTION OF STEEL IN BOF.

Applicant:—RESEARCH & DEVELOPMENT CENTRE FOR IRON & STEEL, STEEL AUTHORITY OF INDIA LTD., (GOVT. OF INDIA UNDERTAKING), RANCHI-834002, INDIA.

Inventors:—1. SHRI RABINDRA KUMAR SINGH, 2. SHRI RAJESH KUMAR VIJAYAVERGIA, 3. SHRI VINAY SHANKAR DAVE.

Application No. 526|Cal|81 filed May 16, 1981.

Complete specification left on 16th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An improved process for the production of steel in basic oxygen furnace vessel which comprises the steps of before charging hot metal into said empty vessel, dumping slag from previous charge and providing lime pillow, if desired; charging the hot metal injecting in the first phase oxygen in selected amount and flow through a lance the height of which is controlled with respect to the surface of the molten metal to achieve more than 15% FeO and FeO/SiO₂ 1.5 to 2.00 and simultaneously charging lime and/or dolomite in said vessel in a predetermined amount as herein described, deslagging, if necessary; charging scrap, injecting oxygen through said lance in the second phase and simultaneously charging one or more fluxes comprising lime and dolomite and if necessary, limestone in said vessel; deslagging in a known manner; sampling and measuring the temperature of the molten mass; rebolowing oxygen and charging one or more fluxes comprising lime and dolomite and if necessary limestone and finally tapping the molten mass from said vessel.

Compt. specn. 24 pages.

Drgs. Nil.

Class. 206E.

154358.

Int. Cl. H01 I17/00.

A THERMAL IMAGER.

Applicant:—BARR & STROUD LIMITED, OF CAXTON STREET, ANNIESLAND, GLASGOW G13 1ZH, SCOTLAND.

Inventors:—1. CHARLES ANDREW BERRY, 2. PETER JOHN BERRY, 3. IAN HARRISON HOWIE.

Application No. 539|Cal|81 filed May 22, 1981.

Convention date 22nd May, 1980 (8017012) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A thermal imager comprising an optical scanner for receiving thermal infrared radiation from a field of view, a radiation detector for receiving the scanned radiation from the scanner, means for applying a characteristic radiation feature to the detector in super imposition with the scanned radiation from the scanner, signal processing circuitry connected in parallel with a sync signal recognition circuit to receive the detector output signal, a video output device connected to the output of said signal processing circuitry and clock means for timing the operation of said signal processing circuitry and said video output device, said clock means being controlled by the output of said sync signal recognition circuit, and wherein the scanner is arranged to provide the detector output wave form with a period T each such period T containing a scene derived waveform of duration T₁ such that T₁ < 50%T and otherwise being devoid of a waveform which could be recognised erroneously by said recognition circuit, the characteristic radiation feature applying means is arranged to locate the resultant sync signal in the detector output waveform prior to and closely adjacent the scene-derived waveform at a time interval T₂ prior to the end of the scene-derived waveform, and the clock means comprises a monostable which is set by the sync signal recognition circuit for a duration T₃ such that T₂ T < T₃ < 50% T.

Compl. specn. 9 pages.

Drg. 1 sheet.

Class. 130F.

154359.

Int. Cl. C22b 13/00.

CONTINUOUS PROCESS OF SMELTING METALLIC LEAD DIRECTLY FROM LEAD-AND SULFUR-CONTAINING MATERIALS.

Applicant:—METALLGESELLSCHAFT A. G., OF 16 FRANKFURT A.M., REUTERWEG, WEST GERMANY.
Inventors:—1. DR. WERNER SCHWARTZ, 2. DR. PETER FISCHER.

Application No. 542/Cal/81 filed May 22, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A continuous process for smelting of conventional lead bearing materials containing sulfur to produce metallic lead wherein said lead bearing material containing sulfur is subject to smelting in an elongated horizontal reactor to form a molten bath consisting of a metallic lead phase and a slag phase, the slag phase and the lead phase being counter-currently conducted through thereactor, a gaseous phase being conducted through thereactor counter-currently to the flow of the slag phase, gaseous oxygen being blown into the molten bath at preset rate from below in the oxidising zone which zone is disposed on the side where the lead is tapped, the lead bearing material containing sulfur being continuously charged at present rates on to the molten bath in the oxidising zone, reducing agent being introduced into the molten bath at present rate in the reducing zone which zone is disposed on the side where the slag is tapped, additional heat being supplied in a known manner to the gas phase in the reducing zone, the oxygen admitted in the oxidising zone being sufficient to ensure a self-heated smelting of the charge to form metallic lead and slag containing some lead oxide, the amount of reducing agent fed to the reducing zone being sufficient to ensure a slag having low lead content characterized by the improvement wherein the temperature of the molten bath is 900°C to 1000°C in the oxidizing zone and its temperature is 1100°C to 1200°C in the reduction zone and wherein any increase in the temperature of the oxidising zone is offset by increasing the ratio of oxidisable sulfur (in the material charged) to the oxygen (in the gas admitted to the oxidising zone) such that increased amount of metallic lead is smelted in the oxidising zone with decrease in the content of lead oxide content in the slag and wherein any decrease in the temperature of the oxidising zone is offset by decreasing the ratio of oxidisable sulfur (in the material charged) to the oxygen (in the gas admitted to the oxidising zone) such that decreased amount of metallic lead is smelted in the oxidising zone with increase in the content of lead oxide in the slag so as to maintain the temperature constant in the oxidising zone which temperature is affected because of the alteration in the heat content of the gas leaving the reduction zone and entering the oxidising zone which alteration takes place due to the variation in the lead oxide content of the slag in the reduction zone, the slag composition in the oxidising zone being 45% to 50% ZnO+Fe^o+Al₂O₃, 15% to 20% CaO+MgO+BaO and 30% to 35% SiO₂ based on lead-free slag, and 30% to 70% PbO.

Compl. specn. 15 pages.

Drgs. Nil.

CLASS: 198B.

154360.

Int. Cl.: B 03 b 3/00, B 01 j 1/00.

AN IMPROVED FROTH FLOTATION PROCESS FOR BENEFICIATING COAL.

Applicant: THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

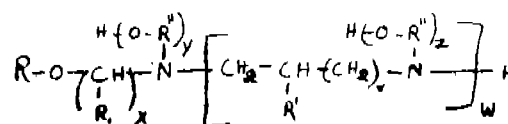
Inventor: 1. ROBERT EUGENE HEFNER, JR.

Application No. 597/Cal/81 filed June 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An improved froth flotation process for beneficiating coal from coal-containing ashes, coal sludge or coal containing residues whereby the sized coal (having meaning as given heretofore) is floated in frothing aqueous medium characterised in that said frothing aqueous medium comprises a fuel oil collector and a conditioner, wherein the conditioner is an ether amine or its derivative such as hereinbefore defined; said ether amine being a compound of formula 1 of the drawings.

**Formula-I**

wherein each R' is independently hydrogen or methyl, each R'' is independently



T

wherein T at each occurrence is hydrogen, methyl or ethyl, with the proviso that R'' at each occurrence contains no more than 4 carbon atoms; v, w, y and z are each 0 or 1; x is 2 or 3 and R is an aryl, alkaryl, alkyl, aralkyl, alkenyl or alkaryl having 1 to 22 carbon atoms; with further proviso that if the conditioner employed in flotation is not a condensation product of the formula 1 or an acid derivative thereof, then in formula 1, y and z are both 0 and R is an alkyl substituted phenyl or an alkenyl or alkyl having at least 10 carbon atoms.

Compl. specn. 23 pages

Drgs. 1 sheet.

CLASS: 166A.

154361

Int. Cl.: E 02 f 7/00.

IMPROVEMENTS IN DREDGES.

Applicant: NEUMANN EQUIPMENT PTY. LTD., OF NUBAN STREET, CURRUMBIN, QUEENSLAND 4223, AUSTRALIA.

Inventor: 1. JOHN ALFRED NEUMANN.

Application No. 662/Cal/81 filed June 18, 1981.

Convention date 18th June, 1980 (PE. 4080) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A dredge of the type having a hull on which are mounted a first spud and a second spud each vertically slidable and capable of being driven down into a sea bed to anchor the hull, wherein:

the first spud is vertically slidable through a spud frame on a carriage mounted on the hull for slidable movement longitudinally relative to the hull,

the second spud is vertically slidable through a spud frame on a carrier fixed on the hull,

for each spud there are provided lifting means for raising the spud, locking means for holding the spud in raised position, and release means for releasing the locking means to permit the spud to drop and drive into the sea bed, and

propelling means are provided for advancing the hull relative to the spud carriage when the second spud is raised and the first spud is driven into the sea bed.

Compt. specn. 9 pages.

Drgs. 2 sheets.

CLASS : 107C.

154362.

Int. Cl. : F 02 f 1/08; 3/10.

A METALLIC INSULATION COMPONENT FOR INCORPORATION INTO A MEMBER OF AN INTERNAL COMBUSTION ENGINE.

Applicant : DANA CORPORATION, OF 4500 DORR STREET, TOLEDO, OHIO, UNITED STATES OF AMERICA.

Inventor : 1. WILLIAM DIETER GUENTHER.

Application No. 669|Cal|81 filed June 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims.

A metallic insulation component for incorporation into a member of the type described of an internal combustion engine, said metallic insulation component comprises a layer of metallic insulation such as, for example, of the type described, and a heat and corrosion resistant continuous layer bonded to one face of said layer of metallic insulation, wherein the said heat and corrosion resistant continuous layer is a ductile layer of an impace resistant metal such as, for example, of the type described.

Compt. specn. 16 pages. Drgs. 2 sheets.

CLASS : 6B.

154363.

Int. Cl. : C 01 b 17/00.

A SULFUR TRIOXIDE CONDITIONING SYSTEM TO PRODUCE A SULFUR DIOXIDE MIXTURE AND TO PRODUCE THEREFROM A SULFUR TRIOXIDE CONDITIONING MIXTURE.

Applicant : WAHLCO INTERNATIONAL, INC., AT NO. 100 WEST TENTH STREET, WILMINGTON, DELAWARE 19801, U.S.A.

Inventor : 1. BARRY J. SOUTHAM.

Application No. 225|Cal|82 filed February 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A sulfur trioxide conditioning system which includes heater means for heating air and means for conditioning a first flow of air, which has been heated by a first section of said heater means, to produce a sulfur dioxide mixture which is thereafter passed through a catalytic converter to produce a sulfur trioxide conditioning mixture wherein the improvement comprises : a plurality of independent injection portions, each of which communicates with a respective one of a plurality of independent boiler flue gas streams; directing means for selectively directing such sulfur trioxide conditioning mixture through said injection portions; purging means for selectively directing an unconditioned purge flow of air, which has been heated by said heater means, through respective ones of said independent injection portions for the purging thereof for a predetermined period after such sulfur trioxide conditioning mixture is no longer being directed there through; and means for maintaining said purge flow of air at a temperature above the dew point of sulfur trioxide during substantially the entire period.

Compt. specn. 17 pages. Drgs. 1 sheet.

CLASS : 61A.

154364.

Int. Cl. : F26b 21/00.

IMPROVEMENTS IN OR RELATING TO AN APPARATUS FOR WITHERING OF TEA LEAVES.

Applicant & Inventor : SOMNATH ROY, 229, B. N. ROAD, CALCUTTA-700 060, STATE OF WEST BENGAL, INDIA.

Application No. 649|Cal|82 filed June 7, 1982.

Addition to No. 748|Cal|80 dated 28th June 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Improvement in or modification of the apparatus for withering of tea leaves as disclosed in prior Indian Patent Application No. 748|Cal|80 comprising a closed chamber defining a trough divided into an upper chamber and a lower chamber by means of a perforated bed extending along the length of the trough having an inlet end and an outlet end for the passage of conditioned air with induced flow for treating the tea leaves deposited on the said perforated bed at least one expansion duct provided at the outlet end of the trough, said expansion chamber being generally of a frusto-conical section having a single disposable damper and an axial flow fan, characterised in that, at the outlet end of the said trough there is provided a stabilizing or mixing chamber open at one end to the atmosphere and the other end communicating with the said chambers of the trough having a plurality of fistail jets for supply of hot air, a perforated screen provided in association with the said fistail jets for an even distribution of the conditioned air, a plurality of flaps or doors located after the said perforated screen for blocking the flow of conditioned air into the said trough when not required, a plurality of louvres provided with the said upper and the lower chambers of the said trough formed into two groups operated independently and having a moisture beeding damper in association with the said two groups of louvres such that in one position of the said louvres the conditioned air is allowed to pass from the upper chamber to the lower chamber of the trough and in the other position from the lower chamber to the upper chamber of the trough.

Compt. specn. 16 pages.

Drgs. 1 sheet.

CLASS : 195 B + D & 36 A1.

Int. Cl. : F 16 K 25/00 & 27/00.

A LOW RESISTANCE SWING TYPE FOOT VALVE FOR CENTRIFUGAL PUMPS.

Applicants : KIRLOSKAR BROTHERS LIMITED, UDYOG BHAVAN, TILAK ROAD, POONA-411 002, MAHARASHTRA, INDIA.

Inventor : KAILASH CHANDRA BHOOTRA

Application No. 112|Bom|1981 Filed Apr. 28, 1981.

Comp. after Prov. left on Jul. 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

12 Claims.

A low resistance swing type foot valve for centrifugal pump comprising in combination a strainer body having an integrally formed or detachable plate with a stepped-up seat having a central opening forming a seat for a flap of flap-type valve, said flap-type valve being made from water resistant resilient material having a C-shaped slot forming a C-shaped flap with a central hole, wherein said flap is sandwiched between a rectangular plate washer and a disc washer by a nut and bolt, and said flap being hinged with one side of said flap-type valve which is sandwiched between the flanges of a bell-shaped foot valve housing and said strainer body, said C-shaped flap opens and closes on said central opening in valve seat, said bell-shaped foot valve housing having two pairs of integrally formed lugs on its inner wall surface and said housing having a screw threaded central opening in its top for securing it to suction pipe end of a centrifugal pump such that when said flap of flap-type valve is in open position, it rests against the stops formed by one of said pair of lugs at an inclination to vertical line and said central opening in said valve seat substantially registers with said top central opening in foot valve housing, it permits suction of water or the like fluid there through with minimum of friction loss.

Comp. Specn. 13 pages, Drgs. 7 sheets.

Prov. Specn. 11 pages, Drgs. 7 sheets.

CLASS : 36A₁.

154366.

Int. Cl. F03b-11|00, E03b—5|00.

A SINGLE PIECE BASE PLATE WITH INTEGRALLY FORMED BEARING HOUSING FOR FLP PUMP SET.

Applicants : KIRLOSKAR BROTHERS LIMITED, UD-YOG BHAVAN, TILAK ROAD, PUNE-411 002, MAHARASHTRA, INDIA.

Inventor : KAILASH CHANDRA BHOOTRA.

Application No. 113|BOM|1981 filed April 28, 1981.

Complete after Provisional left on July 28, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A single piece base plate with integrally formed bearing housing for FLP pump set comprises a combination of a base having first and second flange at its each end integral therewith, and a bearing housing integral with one side of said second flange and said base leaving a gap therebetween for accommodating a water deflector, and another gap between said bearing housing and said first flange for accommodating therebetween a fast and loose pulley fitted on a shaft, said bearing housing having a seat for second bearing and said second flange having a seat for said packing seal and lantern ring, and a seat around its periphery for fixing thereto a centrifugal pump casing, said first flange having a seat for fixing thereto an end cover with a seat for first bearing, and in that to the extended part of said shaft projecting from said second flange is fitted an impeller of a centrifugal pump casing by nuts and bolts to form FLP pump set.

Complete specification 6 pages. Drawings NIL.

Provisional specification 5 pages. Drawings 3 sheets.

CLASS : 94-E.

154367.

Int. Cl. B 24 b 23|00.

A WET GRINDER.

Applicant & Inventor : PERIASAMY MATHIVANAN, C 96 NEE, TIRUCHIRAPALLI-620 018, TAMIL NADU.

Application No. 213|Mas|81 filed November 25, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim.

A wet grinder comprising a mortar and a stone pestle rotated by a horizontal T section the said T section being fixedly mounted on a vertical tube, detachably connected to a vertical shaft having a pulley fixedly mounted thereon, the said vertical shaft being connected through the pulley to a prime mover which rotates the pestle, the said T section having at least two vertical feeding plates the lower ends of which are in contact with the surface of the mortar peripheral to the pit.

Compl. 5 pages. Drawing 1 sheet.

CLASS 5A.

154368.

Int. Cl. A01 b 1|08.

A PLOUGH TILLER BLADE FOR USE WITH CULTIVATORS.

Applicant & Inventor : KANNAPPAN NARAYANAPPRUMAL, OF PADMAN AGENCIES, PADMAVILAS BUILDINGS AGRAHARAM ROAD, MELUR-625 106, MADURAI, TAMIL NADU.

Application No. 10|Mas|82 filed January 20, 1982.

Application office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims.

A plough tiller blade for use in conjunction with a cultivator comprising a metallic plate having an upwardly extending helix, said metallic plate being tapered downwardly to define a trilateral construction having its tip forming the cutting edge of the blade, said plate having integrally formed means for securing it with the tines of said cultivator, and the back surface of said plate being provided with a pair of ribs running parallel to each other along the full or partial length of said plate starting from the base thereof thereby forming an elongated channel within which the tine of the cultivator is capable of being seated to prevent the blade from being twisted during ploughing.

Compl. 10 pages. Drawing 1 sheet.

CLASS 49-C+D+E & 83-B_a.

154369.

Int. Cl. A47 j 43|00+47|00.

A GRINDER-CONTAINER ATTACHMENT FOR A MIXIE.

Applicants & Inventors : (1) TIRUVAILLUR THATTAI VARADARAJAN, (2) TIRUVAILLUR THATTAI ASHOK, (3) MRS. MALATHI RANGASWAMI & (4) MRS. LAKSHMI RAMAN, OF MAYA APPLIANCES & CONTROL EQUIPMENT, 8A/8B BOAT CLUB FIRST AVENUE, ADYAR, MADRAS-600 028, TAMIL NADU.

Application No. 209|Mas|82 filed October 30, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

A grinder-container attachment for a mixie comprising a grinder blade assembly unit for being coupled to the driving part of the mixie; a container for receiving the material to be ground having an open mouth, but otherwise closed on all sides thereof; means for engaging the mouth of the container with the said unit for receiving the blade assembly, the container retaining the material to be ground therein during the grinding operation; a lid provided for closing the mouth of the container and means for fastening the lid to the mouth of the container, such that, after the grinding operation, the container is detached from the blade assembly unit and the lid fastened to the mouth of the container for storing the material.

Compl. 7 pages. Drawings 1 sheet.

CLASS : 32F₂(n).

154370.

Int. Cl. C07d 51|00.

A PROCESS FOR THE PREPARATION OF HALOGENO DERIVATIVES OF ISOPROPYLAMINO PYRIMIDINE.

Applicant : SOCIETE D'ETUDES DE PRODUITS CHIMIQUES A FRENCH COMPANY, OF 4, RUE THEODULE RIBOT, 75017 PARIS, FRANCE.

Inventor : ANDRE ESANU.

Application for Patent No. 289|Del|80 filed on 22nd April, 1980.

Convention date 15th May, 1979/7916918 (U.K.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims.

1. A process for the preparation of halogeno derivatives of isopropylaminopyrimidine of the formula I* in which X represents a chlorine or a bromine atom, in reacting at room temperature and in stoichiometric proportions, 2-isopropylaminopyrimidine on the appropriate N-halogeno succinimide, in the presence of acetic acid.

CN(C)c1ncnc(X)c1

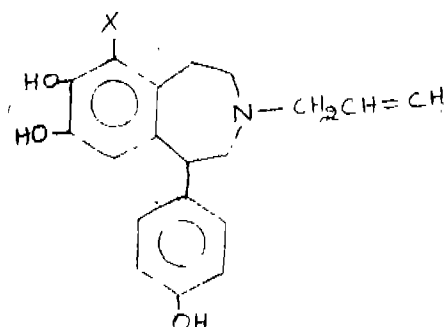
154371.

[illegible]CC1(C)S(=O)(=O)C2C(=O)N(C2)C1C(=O)C(=O)OCCO

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims.

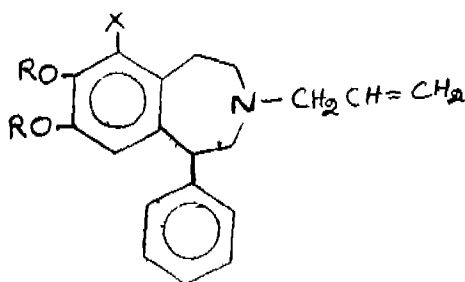
The process for preparing a basic compound of the general Formula I



Formula-I

in which X is halo;

or a pharmaceutically acceptable acid addition salt or O-lower alkanoyl ester thereof comprising reacting a compound of the general Formula III.



Formula-III

in which X is halo and R is a lower alkyl of 1-6-carbons, benzyl or, when taken together at the 7, 8-positions on the benz ring of the nucleus, methylene or ethylene with a dealkylation agent such as herein described optionally forming an acid addition salt by reacting said base with at least one equivalent of the acid of the kind such as herein described and if desired, forming the O-lower alkanoyl ester by treating the trihydroxy parent of Formula I with either a stoichiometric amount or an excess of an acid bromide or anhydride in the presence of an organic base of the kind such as herein described optionally in an organic solvent of the kind such as herein described.

Complete specification 14 pages. Drawing 1 sheet.

CLASS : 108A, C

154374.

Int. Cl. F27d 17/00.

"GAS DIVERSION UNIT FOR THE DIVERSION OF GASES THAT ARE HOT, DUST-LADEN, SATURATED WITH WATER VAPOUR AND/OR WATER DROPLETS".

Applicant : CRFUSOT-LOIRE ENTREPRISES, A FRENCH COMPANY OF TOUR GAN QUARTIER AL-SACE-PLACE DE L'EMERAUDE, 92400 COURBEVOIE, FRANCE AND USINOR, A FRENCH COMPANY OF 14, RUE D'ATHENES, 75009 PARIS, FRANCE.

Inventors : GERALD NAMY AND JEAN CORDIER.

Application for Patent No. 365/Del/80 filed on 19th May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3-287 GI/84

8 Claims.

A gas diversion unit for the diversion of gases that are hot, dust-laden, saturated with water vapour and/or water droplets said unit comprising : a vertical axis generally cylindrical housing, which is a fixed body, having upper and lower outlets; a gas feed inlet horizontally connected to said housing; a bell movable between said upper and lower outlets; steel lip water-tough gas seals formed between said bell and said housing when said bell is at its uppermost or lowermost position; whereby when said bell is at one of the said uppermost or lowermost positions waste gases fed through said gas feed inlet have free passage through said housing to a processing network duct or to a stack open to the atmosphere; the connection of said feed inlet to said housing being in the form of a cyclone for separating out water droplets and dust contained in the waste gases.

Complete specification 15 pages. Drawing 4 sheets.

CLASS : 40B.

154375.

Int. Cl. B01j 11/00.

"PROCESS FOR THE STABILISATION AND REGENERATION OF CATALYST USED IN PROPENE HYDRO-FORMULATION".

Applicant : PCUK PRODUCTS CHIMIQUES UGINE KUHI MANN, A FRENCH COMPANY, OF TOUR MANTHAN-LA DEFENCE 2, 5 & 6, PLACE DE L'IRIS, 92400 COURBEVOIE, FRANCE.

Inventor : CLAUDE DEMAY.

Application for Patent No. 366/Del/80 filed on 20th May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Process for stabilising and regenerating the hydroformylation catalyst of propene, consisting of a complex combination of rhodium, carbon monoxide and triarylphosphine, characterised in that cobalt is added to said catalyst.

Complete specification 14 pages.

CLASS : 42A1, 5.

154376.

Int. Cl. A24c 5/04.

"TRIMMER DEVICE FOR THE TOBACCO FILLER IN A CIGARETTE MANUFACTURING MACHINE".

Applicant : G.D. SOCFITA PER AZIONI, AN ITALIAN COMPANY OF VIA POMPONIA 10, 40133 BOLOGNA, ITALY.

Inventor : ENZO SERAGNOLI.

Application for Patent No. 367/DEL/80 filed on 20th May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims.

A trimmer device for the tobacco filler in a cigarette manufacturing machine, comprising, in combination, a pair of equal counter-rotating discs each disc having an external cone-frustum surface having a cutting edge at the major base, the discs being mounted on downwardly converging inclined shafts extending from a support and defining plane substantially normal to the path of said filler, said discs being disposed so that said cutting edges are substantially tangential to each other and with one of their generating lines substantially aligned with the path of said tobacco filler, said cone-frustum surfaces comprising recesses or grooves directed substantially along their generating lines and spaced apart along said cutting edges by a pitch substantially equal to the length of the cigarettes produced by said manufacturing machine, such that the diameter of said discs, for a like number of said recesses, is a function of the length of said cigarettes, there

being provided means disposed between the upper ends of said shafts and said discs for fixing said discs on their respective shafts in a position which is a function of said diameter, and means provided on said support for setting the level of said support relative to the base of said manufacturing machine.

Complete specification 15 pages. Drawing 2 sheets.

CLASS : 58B.

154377.

Int. Cl. F06b 9/02.

"SHUTTER BLIND"

Applicant : BERTHOLD HALLER KG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF ALDINGEN, RUPPENSTRASSE 20 FEDERAL REPUBLIC OF GERMANY.

Inventor : BERTHOLD HALLER.

Application for Patent No. 372/Del/80 filed on 21st May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims.

A shutter blind comprising:

A supporting rail means;

a plurality of carriages slidably mounted on said supporting rail means;

rotating means within a respective one of said carriages, a respective one of said rotating means comprising a rotatable rod having recesses on its outer surface, a hollow cylinder surrounding said rod, said hollow cylinder being provided with a friction-locking means on its outer surface, a keying means comprising a form-lock mating interconnection between said rotatable rod and said hollow cylinder, a worm gear surrounding said hollow cylinder and interconnected to said hollow cylinder by means of said friction-locking means;

a plurality of sprocket gears, each sprocket gear drivingly interconnected with a respective one of said worm gears;

a plurality of supporting rods, each supporting rod interconnected with a respective one of said sprockets;

a plurality of shutters, each shutter being mounted on a respective one of said supporting rods.

Complete specification 18 pages. Drawing 4 sheets

CLASS : 99A.

154378.

Int. Cl. A47j 35/00, 37/00.

"A BAKING UTENSIL"

Applicant : MRS. PRABHA GHANASHYAM TASGAONKAR, 506, SHAKUNTALA, 59, NEHRU PLACE, NEW DELHI-110019, INDIA, AN INDIAN NATIONAL.

Inventor : MRS. PRABHA GHANASHYAM TASGAONKAR.

Application for Patent No. 376/Del/80 filed on 21st May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims.

A baking utensil comprising a hot plate or tawa characterized in a member or body secured to the undersurface of said hot plate or tawa, said member or body having a plurality of holes formed therein so as to allow flow of hot air and other gases to the peripheral areas of the said hot plate or tawa, the said holes being spaced from each other.

Complete specification 7 pages. Drawing 1 sheet.

CLASS : 107H.

154379.

Int. Cl. F02m, 45/00.

"IMPROVEMENTS IN OR RELATING TO A FUEL-INJECTION PUMP OF INTERNAL COMBUSTION ENGINE"

Applicant : SOCIÉTÉ D'ÉTUDES DE MACHINES THERMIQUES S.E.M.T., A FRENCH BODY CORPORATE OF 2, QUAI DE SEINE, 93202 SAINT DENIS, FRANCE.

Inventor : DIRK BASTENHOF, ROGER BRISSON, AND CLAUDE BONNIOT.

Application for Patent No. 383/Del/80 filed on 23rd May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims.

An injection pump for injecting fuel into a cylinder of an internal combustion engine, the pump including a fuel receiving chamber defined within a cylindrical body, a plunger slidably disposed within an inside space of said body for reciprocating linear motion between a bottom dead center position and a top dead center position, said chamber being provided with fuel inlet ports connected to a fuel supply source at a relatively low pressure and which are adapted to be covered by said plunger during its displacement towards its top dead center to cause fuel to be discharged out of said chamber towards the injector associated with said engine cylinder, said plunger having a head formed with at least one helical ramp on its periphery and a passageway opening into said chamber and adapted to communicate with at least one duct connected to said fuel supply source and opening into the inside space of said body in which said plunger is disposed for interrupting the fuel discharge out of said chamber towards said injector during the displacement of said plunger towards its top dead center, such that the fuel discharge is separated into a first discharge phase providing a pre-injection of fuel into said engine cylinder and a second phase providing a main fuel injection, wherein the injection pump comprises an accumulator device including an accumulating chamber which communicates permanently with said fuel receiving chamber and has a volume variable by a piston fitted into said accumulating chamber and movable against a return spring under the action of the pressure in the fuel receiving chamber, the stroke of said piston being limited by a stop forming a fluid-tight seat, said piston being moved against said seat by pressure developed during the first discharge phase and retained on its seat during the discharge interruption under the effect of a pressure in the receiving chamber produced during said discharge interruption by said plunger continuing its displacement towards its top dead center, whereby the start of the pre-injection is delayed without affecting the start of the main fuel injection.

Complete specification 17 pages. Drawing 3 sheets.

CLASS : 32F(b).

154380.

Int. Cl. C07d 27/00, 29/00.

"PROCESS FOR THE SYNTHESIS OF CARBOMOYL-9H-PYRIDO (3, 4-b)-INDOLES"

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHIV KUMAR AGARWAL, ANIL KUMAR SAXENA, BRIJESH MALVIYA, HARISH CHANDRA, NITYA ANAND.

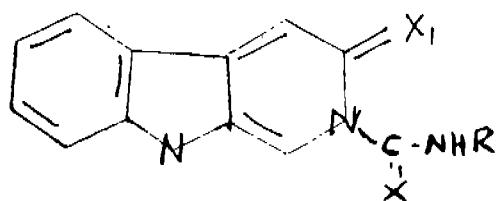
Application for Patent No. 387/DEL/80 filed on 23rd May, 1980.

Complete specification left on 23rd June 1981.

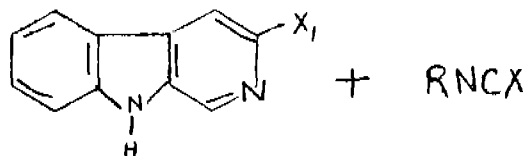
Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims.

A process for, the synthesis of carbomyl-9H-pyrido-(3, 4-b)-indoles of formula I



comprising reacting 3-amino-9H-pyrido (3, 4-b) indoles of formula (II) with R-NCX of formula (III)



in the presence of an organic solvent, wherein R is an alkyl like methyl or ethyl radical, or aryl like phenyl or substituted phenyl radicals, the substituents being fluoro, chloro, bromo, alkyl like methyl or ethyl and alkoxy like methoxy or ethoxy radicals, X is oxygen or sulphur and X₁ is -NH or -NH-CONHR radicals. R being a radical as stated above.

Provisional specification 4 pages.

Complete specification 6 pages. Drawing 1 sheet.

Class : 204

154381

Int. Class : G01g 19/04.

"SYSTEM FOR LOADING AND WEIGHING RAILROAD CARS IN MOTION DURING LOADING".

Applicant : MANGOOD CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, 105 WEST ADAMS STREET, CHICAGO, ILLINOIS-60603, U.S.A.

Inventor : JACK RICHARD CALDICOTT.

Application for patent No. 389/Del/80 filed on 26th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(11 claims)

A system for loading and weighing freight cars coupled in motion, which comprises :

an upstream weigh bridge;

a downstream weigh bridge mechanically separated from said upstream weigh bridges;

loading means overlying one of said weigh bridges;

means provided on said upstream weigh bridge for detecting the full draft weight of the freight car taking the weight on said upstream bridge into consideration while an axle of the car being weighed is on said upstream weigh bridge;

means provided on said downstream weigh bridge for determining the weight of the freight car after the freight car has left the upstream weigh bridge and taking only the weight on the downstream weigh bridge into consideration, said determining means including means for electrically disconnecting said upstream weigh bridge from said downstream weigh bridge after the freight car has left the upstream weigh bridge ; and said detecting means and said determining means being operatively connected to said loading means.

(Complete specification 20 pages. Drawing 1 sheet).

Class :—32F1. 2b

154382

Int. Class :—C07d 49/38.

"A PROCESS FOR THE SYNTHESIS OF SARYLBENZIMIDAZOLE-2-THIONES".

Applicant :—COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg., New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860)

Inventor :- KAMBHAMPATI VENKATA BABAI RAO, ELIZABETH SUNITA CHARLES, SATAYAN SHARMA, RAMAN NARAYAN IYER, SUMAN GUPTA, SHIVE RAM, JAGDISH CHANDRA KATIYAR AND AMIYA BIJUSHAN SEN.

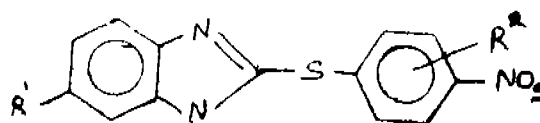
Application for patent No. 390/DEL/80 filed on 26th May, 1980.

Complete specification left on 16th June, 1981.

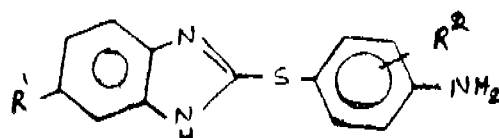
Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(6 Claims)

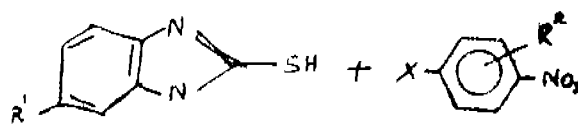
A process for the synthesis of Sarylbenzimidazole-2-thiones of formula V wherein R¹ is hydrogen, halogen such as chloro or bromo, nitro, amino, aminoalkyl, aminosoyl or isothia-



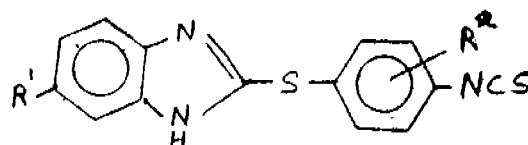
cyanato and R³ is hydrogen, halogen such as chloro or bromo, or a trifluoromethyl group which comprises reacting in the presence of base in an organic solvent a benzimidazole-2-thione of the formula I with a halonitrobenzenes of the formula II



wherein R¹ and R² have the meanings stated herein, subjecting the S-(4-nitrophenyl)-benzimidazole-2 thions of the formula III.



no forced to reduction in an organic solvent to form a S-(4-aminophenyl)-benzimidazole-2-thions of the formula IV



wherein R¹ and R² have the meanings stated herein and further reacting the compound of formula IV thus obtained with thiophosgene in an organic solvent to form the desired aryl benzimidazole-2-thione of formula V.

(Provisional specification 5 pages)

(Complete Specification 7 pages

Drawing 1 sheet)

Class :—85L, G, J.

154383.

Int. Class :—F23g 7/00.

"A REACTOR FOR THE MANUFACTURE OF ACTIVATED RICE HUSK ASH".

Applicant :—CEMENT RESEARCH INSTITUTE OF INDIA, M-10, SOUTH EXTENSION PART-II, RING ROAD, NEW DELHI-110049, INDIA, AN INDIAN INSTITUTE.

Inventors :—SURINDER KRISHAN CHOPRA, SUBHASH CHANDER AHLUWALIA, SHOBHAY LAXMI, RAM BABU SHARMA, NAGARAJAN ANANTH AND ASHOK KUMAR BHATIA.

Application for patent No. 396/Del/80 filed on 30th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(6 Claims)

A reactor for reducing rice husk to activated ash comprising a chamber having a grate for supporting a bed of rice husk, a plurality of holes in a spaced relationship provided in the said chamber to allow introduction of air within said chamber, said chamber having an ash discharge opening in the proximity of the base of said chamber, a charge inlet provided in the upper portion, and a cage disposed within said chamber, said cage adapted to support the charge of rice husk.

(Complete Specification 7 pages Drawing one sheet.)

Class :—39B, K, L; 35B.

154384.

Int. Class :—C04b 7/24.

"A PROCESS FOR THE MANUFACTURE OF ACTIVATED RICE HUSK ASH".

Applicant :—CEMENT RESEARCH INSTITUTE OF INDIA, M-10, SOUTH EXTENSION PART-II, NEW DELHI-110049, INDIA, an Indian Institute.

Inventors :—SURINDER KRISHAN CHOPRA, SUBHASH CHANDER AHLUWALIA, SHOBHAY LAXMI, RAM BABU SHARMA, NAGARAJAN ANANTH and ASHOK KUMAR BHATIA.

Application for patent No. 397/Del/80 filed on 30th May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(7 Claims)

A process for producing activated ash having pozzalanic properties from rice husk which comprises in introducing rice husk into a chamber to form an initial bed, subjecting said initial bed to the step of incineration by firing the base of said bed to a temperature of between 450°C to 700°C, withdrawing the firing conditions and introducing further rice husk into the chamber to constitute a charged bed, allowing an incineration, to move along said charged bed to form an incineration zone, cooling said beds and removing only that part of the bed when the incinerated ash attains a temperature less than 450°C.

(Complete Specification 10 pages Drawing one sheet.)

Class :—17A₂.

154385.

Int. Class :—C12c 11/00.

"METHOD AND APPARATUS FOR CONTINUOUS FERMENTATION".

Applicant :—A. G. (PATENTS) LIMITED, a British Company, of 156 St. John Street, London EC1P 1AR, England.

Inventor :—RICHARD FRICKER.

Application for patent No. 398/Del/80 filed on 30th May, 1980.

Convention date 16th July, 1979/7924754 (U.K.), 12th March, 1980/8008409 (U.K.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(19 Claims)

A method of continuous fermentation for the production of ethanol in which a carbohydrate solution is fed continuously into a fermentation zone containing substantially homogeneously distributed yeast and carbohydrate solution whereby the carbohydrate is fermented to ethanol, a proportion of the fermenting liquid continuously passing to a pressurised settling tank, yeast depleted liquid being withdrawn from the upper part of the settling tank and yeast enriched liquid being withdrawn from the lower part of said tank and returned to the fermentation zone, a proportion of yeast enriched liquid being withdrawn without being returned to the fermentation zone, said proportion being such that the quantity of yeast in the fermentation zone is maintained substantially constant at a desired concentration, the pressure within the settling tank being sufficient to prevent the formation of any gaseous carbon dioxide.

(Complete Specification 22 pages Drawing 3 sheets.)

Class :—145E₂

154386.

Int. Class :—D21c 11/00.

"A PROCESS FOR DESILICATING A SILICA-CONTAMINATED PULP LIQUOR".

Applicant :—DORR-OLIVER INCORPORATED, a corporation of the State of Delaware, United States of America, having a principal place of business at 77 Havemeyer Lane, City of Stamford, State of Connecticut-06904, United States of America.

Inventor :—ELLIOT JOHN ROBERTS.

Application for patent No. 400/DEL/80 filed on 30th May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(5 Claims)

A process for desilicating a silica-contaminated pulp liquor produced in the alkaline pulping process, said alkaline pulping process including the steps of digesting cellulosic fibre material with a sodium hydroxide-containing white liquor, separating the resulting black liquor from the pulp, concentrating the black liquor in multi-effect evaporators, combusting the concentrated black liquor to yield black ash, smelt or pellets and treating the black ash smelt or pellets to recover sodium hydroxide in the form of white liquor which is recycled for the digestion step; the improvement comprising introducing bauxite ore into the black liquor to produce the intermediate compound sodium aluminate for reaction with the silica in the black liquor to form a sodalite precipitate, separating the sodalite precipitate and removing said precipitate from the process stream.

(Complete specification 18 pages Drawing 2 sheets)

Class :—126C.

154387.

Int. Class :—G01r 21/08.

"AN IMPROVED HALL PROBE DEVICE FOR USE IN THE MEASUREMENT OF MAGNETIC FIELDS".

Applicant :—COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors :—BRAHAM DATTA TYAGI, SHRINATH GUPTA, WAMAN SADASHIVA KHOKLE.

Application for patent No. 402/DEL/80 filed on 2nd June, 1980.

Complete Specification left on 2nd September, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(4 Claims)

An improved hall probe device for use in the measurement of magnetic fields comprising a silicon probe chip bonded to conductor leads forming a printed circuit, one end of the leads being connected through a shielded cables assembly to a connector adapted to be connected to an indicating device, the other ends of said leads being connectable to a power supply source.

(Provisional specification 2 pages Drawing 1 sheet)

(Complete specification 7 pages Drawing 1 sheet)

Class :—25A. 154388.

Int. Class :—E04d, 1|00 & E04f, 13|00.

"TILES"

Applicant :—R & M COMPANY, a proprietorship firm, whose proprietor is : RAVI RAJ GUPTA of 4635, Ajmeri Gate Delhi-110006, Indian.

Inventor :—RAVI RAJ GUPTA.

Application for Patent No. 406/Del/80 filed on 4th June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(12 Claims)

A tile consisting of glass and having a front face and a base with sidewalls provided therebetween characterized in that with reference to two horizontal planes of the tile, the first horizontal plane being the plane along the front face of the tile, the second horizontal plane being provided in said tile and in a plane other than that along said front face, the distance between at least two opposite sidewalls of said tile and along said first horizontal plane being smaller than the distance between said two sidewalls along said second horizontal plane.

(Complete specification 15 pages Drawing 1 sheet).

Class :—25A 154389.

Int. Class :—E04d 1|00, E04f 13|00.

"PROCESS FOR THE MANUFACTURE OF A GLASS TILE."

Applicant :—R & M COMPANY, an Indian proprietorship firm, whose proprietor is : RAVI RAJ GUPTA of 4635,

Ajmeri Gate, Delhi-110006, India.

Inventor :—RAVI RAJ GUPTA.

Application for patent No. 407/DEL/80 filed on 4th June, 1980.

Complete specification left on 3rd July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(11 Claims)

A process for the manufacture of tiles from molten glass which consist in the step of subjecting the formed glass tile to a heat treatment at a temperature of between 700 to 950°C such as to impart a rounding of the edges on at least the front face of the tile.

(Provisional specification 6 pages)

(Complete specification 10 pages Drawing 1 sheet)

Class :—25A 154390.

Int. Class :—E04d 1|00, E04f 13|00.

"A PACKAGE OF TILES".

Applicant :—R & M COMPANY, a proprietorship firm, whose proprietor is : MR. RAVI RAJ GUPTA an Indian national of 4635, Ajmeri Gate, Delhi-110006, INDIA.

Inventor :—RAVI RAJ GUPTA.

Application for patent No. 408/DEL/80 filed on 4th June, 1980.

Complete specification left on 3rd July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(5 Claims)

A package of tiles comprising a plurality of tiles held to a carrier sheet characterized in that said carrier sheet is held in a bonding relationship to the base of said tiles, said carrier sheet having a plurality of spaced openings and such as to allow a substantial exposure of the base of said tiles.

(Provisional specification 5 copies)

(Complete specification 7 copies Drawing sheet 1)

Class :—80H 154391.

Int. Class :—B01d 21|00.

"A SEDIMENTATION TANK".

Application :—ANTONIA RUGGERI of 65 Terrace Road, Berframs, Johannesburg, Transvaal, South Africa and PASQUALE VANUCCI of 12th Floor, Braamfontein Centre, Jorison Street, Braamfontein, Transvaal, South Africa, both Italian citizens.

Inventor :—ANTONIO RUGGERI.

Application for patent No. 424/DEL/80 filed on 9th June, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(3 Claims)

A sedimentation tank comprising a pair of walls and extending from a common pole towards an inlet for flocculated liquid along substantially spiral paths such that the distance between the adjacent turns of each wall measured along a substantially radial line from the common pole increase with increasing distance away from the common pole, a flocculating flume in one wall and an overflow launder in the second wall, the flume and the launder each having sides the distance between which likewise increases with increasing distance from the common pole, the flocculating flume terminating at the inlet and the launder terminating at a discharge substantially diametrically opposite the inlet.

(Complete specification 5 pages Drawing 1 sheet)

CLASS : 33A

154392

Int. Class : B22d 13/00.

"AN IMPROVED METHOD AND DEVICE FOR MANUFACTURING A TUBULAR BODY OF CENTRIFUGAL CASTING".

Applicant : PONT-A-MOUSSON S. A., a French Company of 91 Avenue de la Libération, F-54000 Nancy, France.

Inventor : MICHEL PIERREL.

Application for patent No. 439|DEL|80 filed on 13th June, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(8 Claims)

An improved centrifugally casting device for the manufacture of tubular bodies comprising a substantially horizontal cantilevered beam supporting a casting feed channel of substantially the same length, said feed channel having a pouring spout and being articulated to the beam in the neighbourhood of said spout, said beam being supported by a movable carriage and a jack located at the upstream end of said beam immediately downstream of said carriage for raising the upstream end of said feed channel relative to said beam.

(Complete specification 16 pages Drawings 3 sheets)

CLASS : 70A

154393

Int. Class : B01k 1/00.

"NONAQUEOUS CELL".

Applicant : UNION CARBIDE CORPORATION, Manufacturers, a corporation organised and existing under the laws of the State of New York, United States of America, located at 270 Park Avenue, New York, State of New York 10017, United States of America.

Inventor : TIBER KALNOKI KIS.

Application for patent No. 442|DEL|80 filed on 16th June, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(7 Claims)

A nonaqueous cell comprising an active metal anode, an ionically conductive cathode-electrolyte solution containing a solute dissolved in a liquid active cathode, and a porous carbonaceous cathode collector, the improvement wherein at least one metal oxide is incorporated into the porous carbonaceous cathode collector to improve the cell's high current density discharge rate.

(Complete specification 28 pages. Drawing 1 sheet)

Class : 32(a).

154394

Int. Class : C07c 51/16.

"AN IMPROVED PROCESS FOR THE PREPARATION A KETO ACID. 1R. CIS-2, 2-DIMETHYL-3-(2-OXOPROPYL) CYCLOPROPANE CARBOXYLIC ACID AND ITS HOMOLOGUE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : RAJAT BARAN MITRA, GAJANAN DATATREYA JOSHI and ARDHENDU SEKHAR KHANNA.

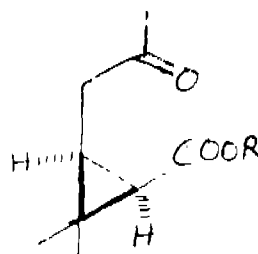
Application for patent No. 453|Del|80 filed on 18th June, 1980.

Complete Specification left on 9th January, 1981.

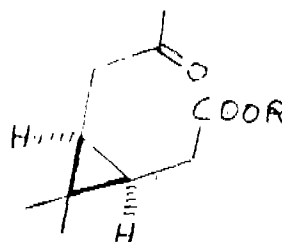
Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(4 Claims)

An improved process for the preparation of a keto acid, 1R. cis-2, 2-dimethyl-3-(2-oxopropyl) cyclopropane carboxylic acid of formula (I)



wherein R is hydrogen and its homologue of formula (VI)



wherein R is a methyl radical, which comprises oxidation o, (+) -3-carene of formula (II)



with potassium permanganate in the presence of aqueous acetic acid either alone or along with an organic solvent and separating the compounds of the formula (I) and formula (VI) by methods known per se.

(Provisional Specification 3 pages Drawing one sheet)

(Complete Specification 5 pages Drawing one sheet)

CLASS : 13A

154395

Int. Class : A45c 1/02.

"A VESSEL MADE OF SYNTHETIC MATERIAL AND METHOD OF MAKING THE SAME".

Applicant : SOCIÉTÉ GÉNÉRALE DES EAUX MINÉRALES DE VITTEL, a French Company, of 88 800—Vittel (Boite Postale 43), France.

Inventor : RAOUL GAUTIER.

Application for patent No. 510/DEL/80 filed on 11th July, 1980.

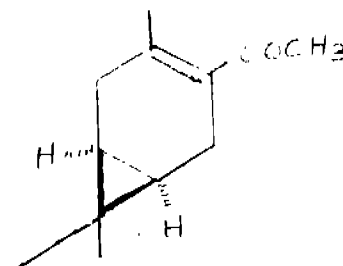
Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(13 Claims)

A vessel formed from a thin and flexible synthetic material comprising superimposed layers bonded together along weld lines to define a main cavity for the contents of the vessel, and an enclosed secondary cavity separated and sealed from said main cavity along one of said weld lines, said secondary cavity incorporating rigidifying means in the form of a solid reinforcement adapted to reinforce the vessel as a whole and to serve as a handle during pouring of the contents of the main cavity.

(Complete specification 9 pages

Drawings 2 sheets)



to oxidation and separating the keto-acid (1) wherein R is Hydrogen, formed from the reaction mixture and obtaining ester thereof as per methods known per se wherein R is methyl radical.

(Provisional specification 3 pages

Drawing 1 sheet)

(Complete specification 7 pages

Drawing 1 sheet)

OPPOSITION PROCEEDINGS

The application for patent No. 147732 made by Vitorino Manual Rosario De Miranda against which an opposition was entered by Kuldip Mohan Kapoor to the grant of a patent as notified in the Gazette of India, Part-III, Section 2 dated the 7th February, 1981 has been treated as refused.

CLASS : 32F(b)

154396

Int. class : C07c 59/00.

"A PROCESS FOR THE PREPARATION OF IR, CIS, -2, 2-DIMETHYL-3-(2-OXOPROPYL) CYCLOPROPANECARBOXYLIC ESTER".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : RAJAT BARAN MITRA, ARDHENDU SPKHAR KHANNA.

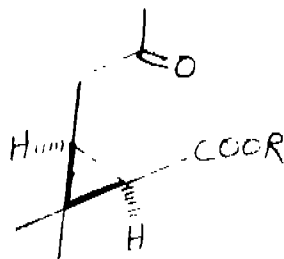
Application for patent No. 512/DEL/80 filed on 14th July, 1980.

Complete specification left on 30th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(6 Claims)

A process for the preparation of IR, cis-2, 2-dimethyl-3-(2-oxopropyl)-cyclopropane carboxylic ester of formula (I)



I. R = H

II. R = CH₃

(a) comprising subjecting 4-acetyl-3-carene of formula (IV)

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

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144087 144092 144100 144110 144111 144121 144126 144130
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144173 144174 144176 144182 144184 144185 144192

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151461 151464 151465 151468 151470

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PATENTS SEALED

143816 143838 144045 144215 144238 144253 144268 144282
 144299 144315 144335 144345 144373 144432 144451 144477
 144496 144545 144546 144553 144556 144642 144651 144666
 144692 144708 144726 144738 144752 144764 144778 144799
 144801 144817 144818 144853 144868 144878 144879 144883
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 144963 144993 144997 144998 145003 145011 145015 145016
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AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendment proposed by Indian oil Corporation Ltd., in respect of Patent application No. 148995 (217/Bom/78) as advertised in Part III, Section 2 of the Gazette of India dated the 10th December, 1983 have been allowed.

(2)

The amendments proposed by PFIZER INC. in respect of patent application No. 144978 as advertised in Part III Section 2 of the Gazette of India dated the 14th April, 1984 has been allowed.

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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 143829 dated the 24th February, 1976 made by Council of Scientific & Industrial Research on the 10th February, 1982 and notified in the Gazette of India, Part III, Section 2 dated the 29th May, 1982 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 146151 dated the 22nd March, 1977 made by Council of Scientific & Industrial Research on the 24th February, 1984 and notified in the Gazette of India, Part III, Section 2 dated the 28th April, 1984 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 148641 dated the 15th March, 1978 made by Council of Scientific & Industrial Research on the 8th February, 1984 and notified in the Gazette of India, Part III, Section 2 dated the 28th April, 1984 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. I. No. 154294, Kersi Hormusji Kadodwalla, an Indian National of A-13, Mazdock Appartment, Seven Bunglows, Andheri (West), Bombay-400061, State of Maharashtra, India. "Lock for the spare wheel". 16th April, 1984.

- Class. 1. No. 154153. Rehman Industries (India), 2848-Bulbuli Khana, Bazar Sita Ram, Delhi, an Indian Proprietorship Concern. "Sharpener". 12th March, 1984.
- Class. 1. No. 154113. Opto Systems Limited, a British Company, of Bayley Street, Stalybridge, Cheshire SK-15 1QQ, England, "A set Clamps for use in Constructing frame work." Reciprocity date is 3rd September, 1983 (U.K.).
- Class. 1. No. 154185. Hindustan Electronics Private Limited, 53-D, Kamla Nagar, Delhi-110007, India. An Indian Company. "Tweeter". 14th March, 1984.
- Class. 1. No. 154186. Hindustan Electronics Private Limited, 53-D, Kamla Nagar, Delhi-110007, India. An Indian Company. "Speaker". 14th March, 1984.
- Class. 1. No. 154187. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 1. No. 154155. Taj Traders, 1507/8, Sarai Khalil, Sadar Bazar, Delhi-110006, a firm registered under the partnership Act, 1932. "Kerosene Stove". 12th March, 1984.
- Class. 1. No. 154433. Associated Engineers, 5-A-D.D.A. Sheds, Okhla Industrial Area, Phase-II, New Delhi-110020, Union Territory of Delhi, India, a partnership firm. "Crimping Tool". 19th May, 1984.
- Class. 1. No. 154533. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "A Car Cassette Player". 22nd June, 1984.
- Class. 1. No. 154506. Associated Engineers, 5-A-D.D.A. Sheds, Okhla Industrial Area, Phase-II, New Delhi-110020, Union Territory of Delhi, India, a partnership firm. "Crimping Tool". 14th June 1984.
- Class. 3. No. 154277. Sumcet Polymers, 1819-A, Gali No. 1, Kailash Nagar, Delhi-110031, a firm registered under the partnership Act, 1932, "Thermos-Cum-Jug". 10th April, 1984.
- Class. 3. No. 154176. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154295. Hongkong International, 52/37 Ramjas Road, Karol Bagh, New Delhi-110005, India, a Partnership firm. "Toy Bus". 16th April, 1984.
- Class. 3. No. 154555. Paman Products Private Limited, having its registered office at 205-A, Hiren Industrial Estate, Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India, an Indian Company incorporated under the companies Act. "Transistor Radio". 28th June, 1984.
- Class. 3. No. 154425. Bikaner Plastic Industries, Gurhatta, Hammam Road, Patna City, Bihar, an Indian Proprietorship firm. "Plastic Sealed". 18th May, 1984.
- Class. 3. No. 154223. Dipty Lal Judge Mal, 19, Rajasthani Udyog Nagar, G. T. Karnal Road, Delhi-110033, an Indian partnership concern. "Pen Stand". 27th March, 1984.
- Class. 3. No. 154384. International Standard Electric Corporation, a Delaware Corporation, of 320 Park Avenue, New York-10022, State of New York, United States of New York, United States of America. "A Telephone subset". 8th May, 1984.
- Class. 3. No. 154178. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154179. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154181. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154182. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154180. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154177. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154183. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015 India. An Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154276. Sumcet Polymers, 1819-A, Gali No. 1, Kailash Nagar, Delhi-110031, a firm registered under the partnership Act, 1932, "Thermos", 10th April, 1984.
- Class. 3. No. 154402. Premier Trading Corporation, 6122, Bahadur Garh Road, Bana Hindu Rao, Delhi-110006, a firm registered under the Partnership Act, 1932. "Vegetable Cutting Tray". 14th May, 1984.
- Class. 3. No. 154403. Sumcet Polymers, 1819-A, Gali No. 1, Kailash Nagar, Delhi-110031, a firm registered under the partnership Act, 1932, "Bread-Pack". 14th May, 1984.

Class. 3. No. 154404. Premier Trading Corporation, 6122, Gali Ishwari Prasad, Bara Hindu Roa, Delhi-110006, a firm registered under the Partnership Act, 1932. "Jug-Cum-Juicer". 14th May, 1984.

Class 3. No. 154190. Dipti Lal Judge Mal, 19, Rajasthani Udveg Nagar, G. T. Karnal Road, Delhi-110033, an Indian partnership concern. "Pen Stand". 16th March, 1984.

Extn. of copyright for the second period of five years.
No. 149856. Class-4.

Extn. of copyright for the third period of five years.
Nos. 148790, 148791. Class-3.

No. 149856. Class-4.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks.